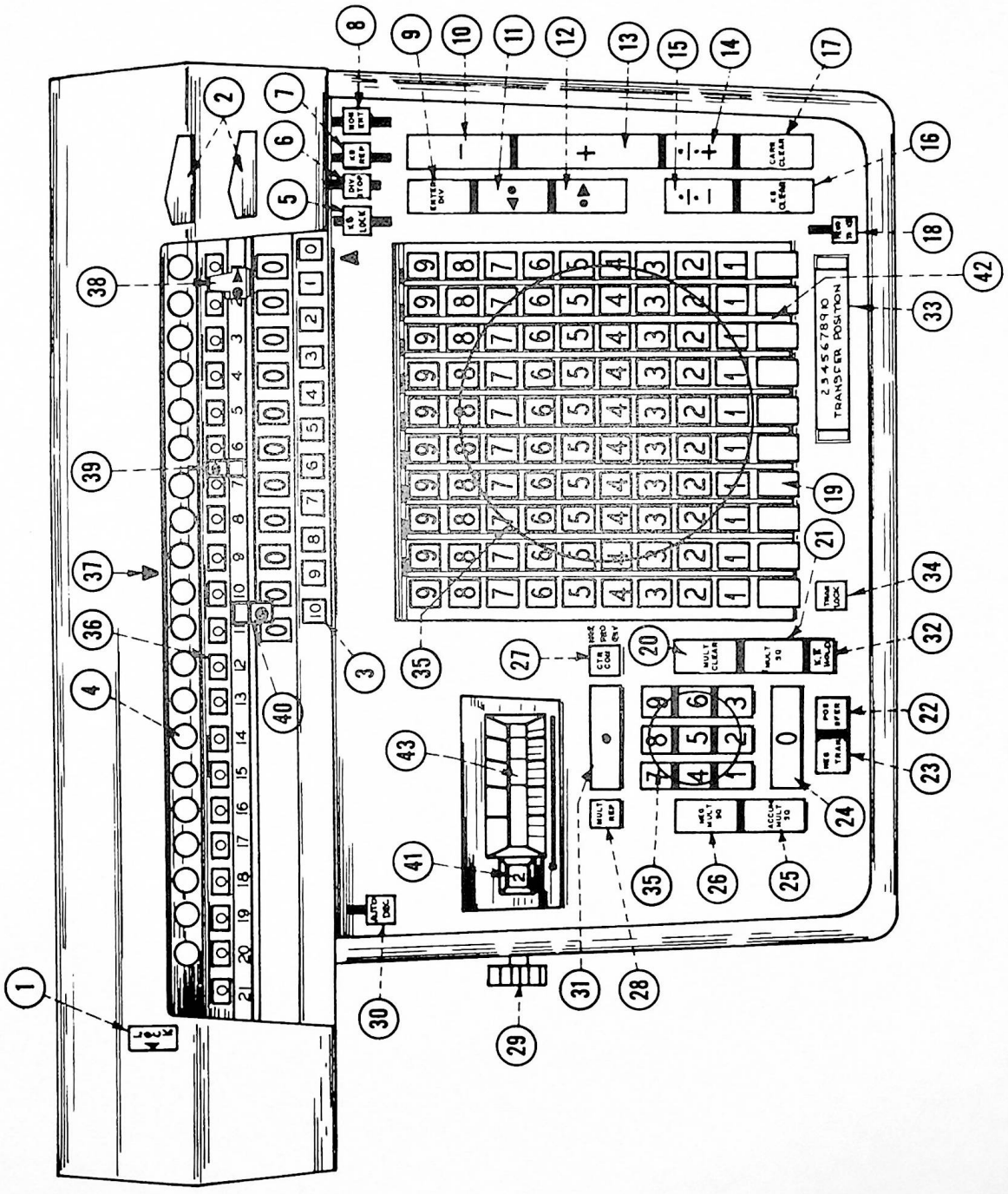
"R" LINE

TEMPORARY PARTS MANUAL

This Section contains the illustrations of parts used on R Line machines. Parts not shown or numbered that are used on the RSC and RSQ can be found in the Temporary "V" Line Parts Manual. Parts not shown or numbered that are used on the RSR and RBT can be found in the "W" Line Parts Manual.

Insert this section in your Calculator Parts Manual behind the "R" Line Tab.

"R" Line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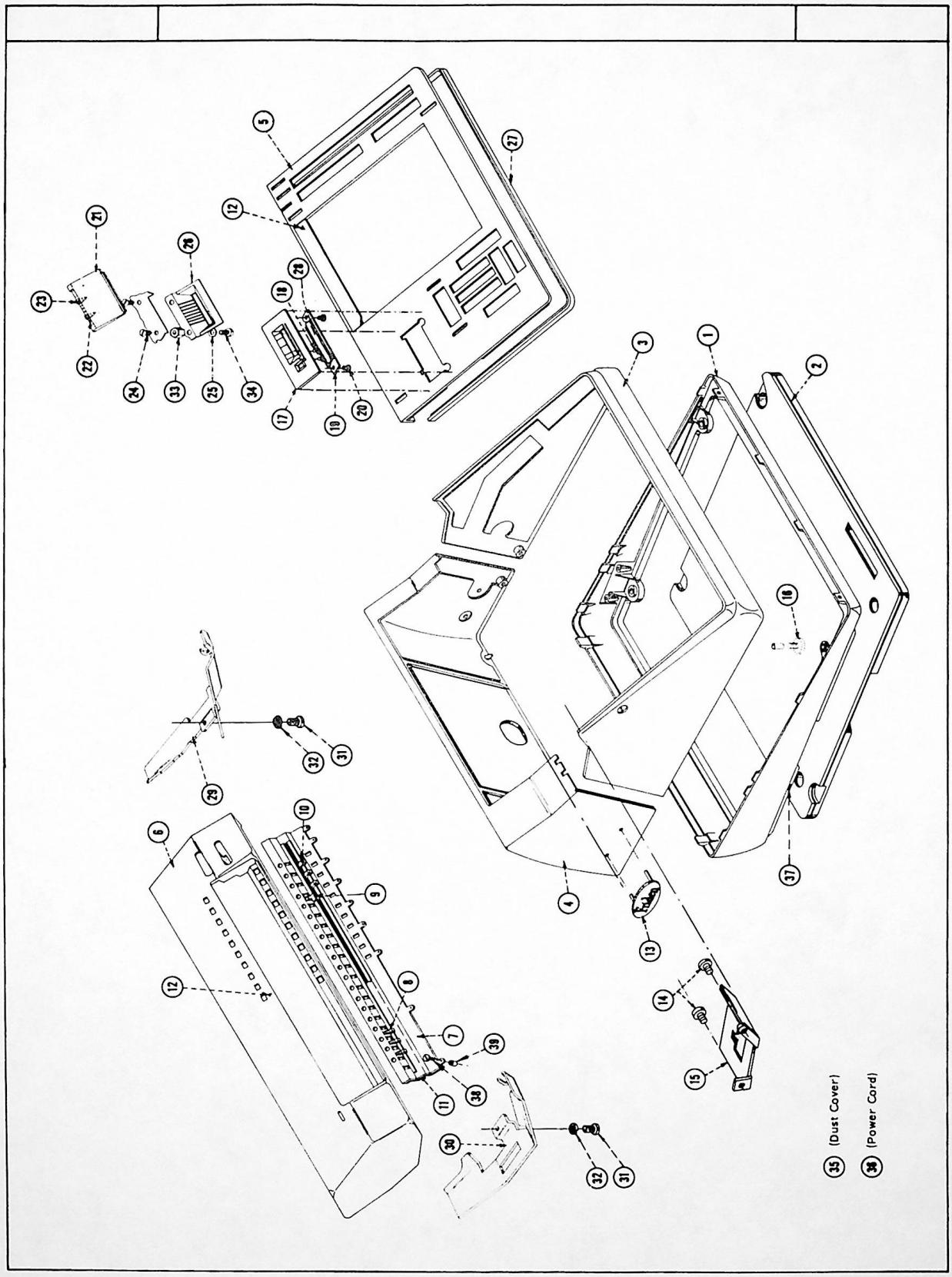
MULT REP
AUTO DEC

R LINE KEYTOPS

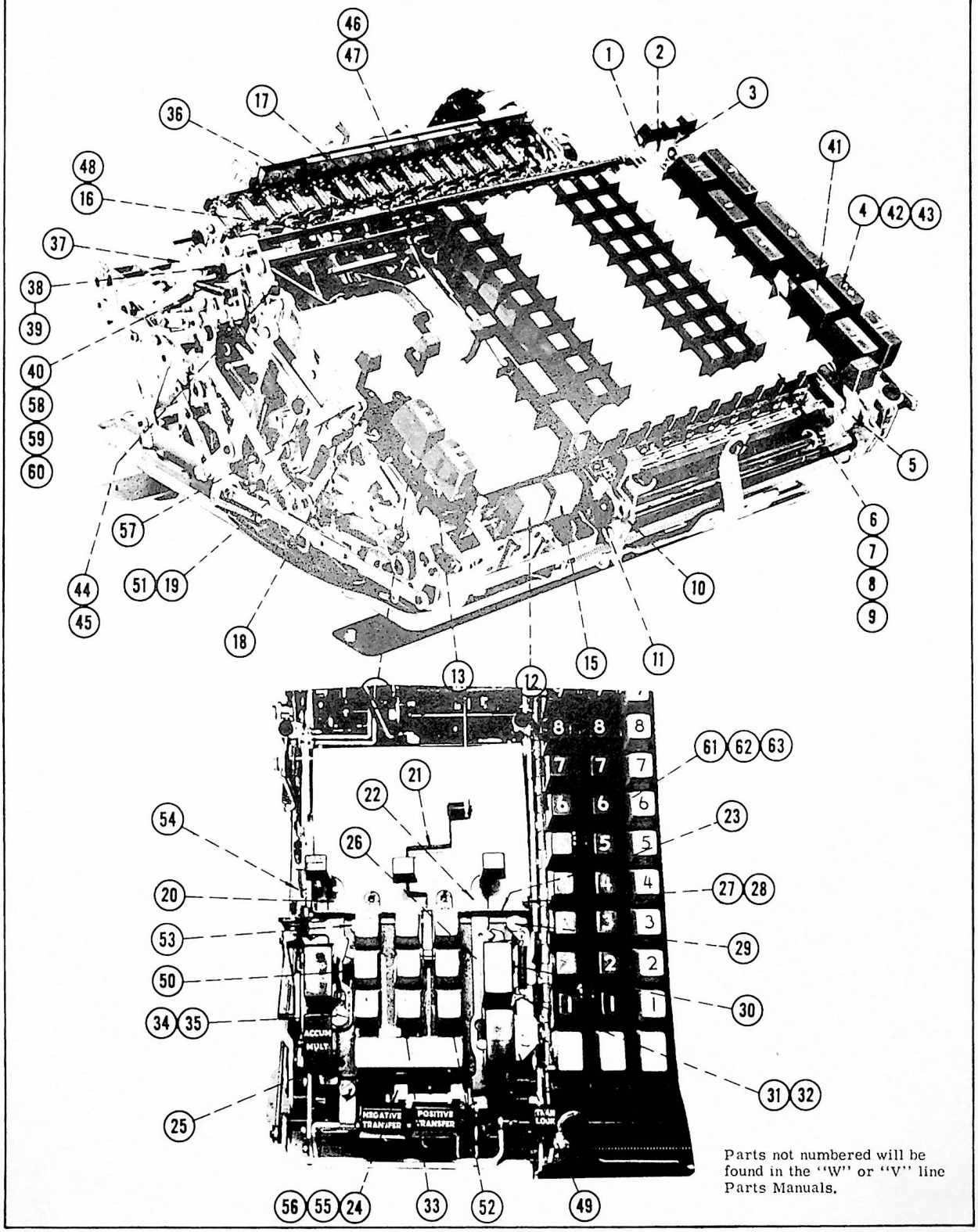
ITEM	PART NO.	MODEL	DESCRIPTION
1	86259	"R" Line	Lock Key Top
2	96455	"R" Line	Dial Lock & Clear Knob (2 reg.)
3	86260	"R" Line	#0 Tab Stop Key Top
	86261	"R" Line	#1 Tab Stop Key Top
	86262	"R" Line	#2 Tab Stop Key Top
	86263	"R" Line	#3 Tab Stop Key Top
	86264	"R" Line	#4 Tab Stop Key Top
	86265	"R" Line	#5 Tab Stop Key Top
	86266	"R" Line	#6 & #9 Tab Stop Key Top
	86267	"R" Line	#7 Tab Stop Key Top
	86268	"R" Line	#8 Tab Stop Key Top
	86269	RSC, RSQ	#10 Tab Stop Key Top
	91299	RSR, RBT	Blank Tab Key Top (For Left Tab Stop)
4	94666	"R" Line	Dial Twirler
5	86256	"R" Line	KB Lock Key Top
6	86257	"R" Line	Division Stop Key Top
7	86251	"R" Line	KB Repeat Key Top
8	86253	"R" Line	Non Entry Key Top
9	86292	"R" Line	Enter Dividend Key Top
10	86297	"R" Line	Minus Key Top
11	86293	"R" Line	Left Shift Key Top
12	86294	"R" Line	Right Shift Key Top
13	86298	"R" Line	Plus Key Top
14	86299	"R" Line	Positive Quotient Key Top
15	86296	"R" Line	Negative Quotient Key Top
16	86309	"R" Line	KB Clear Key Top
17	86291	"R" Line	Carriage Clear Key Top
18	86303	RBT	Prod. To Keyboard Key Top
19	86310	RBT, RSC, RSQ	Zero Key Top (Column Clear & Lock)
	80845	RSR	#5 Square Root Key Top
	80846	RSR	#6 & #9 Square Root Key Top
	80847	RSR	#7 Square Root Key Top
	80848	RSR	#8 Square Root Key Top
	80840	RSR	Blank Square Root Key
20	86271	"R" Line	Mult Clear Key Top
21	86306	RSC, RBT	Mult Key Top
	86272	RSQ, RSR	Mult Squaring Key Top
22	86304	RBT	Positive Transfer Key Top
23	86302	RBT	Negative Transfer Key Top
24	86276	"R" Line	Zero Mult Selection Key Top
25	86308	RSC, RBT	Accum. Mult Key Top
	86274	RSR, RSQ	Accum. Mult Squaring Key Top
26	86307	RSC, RBT	Negative Mult Key Top
	86273	RSR, RSQ	Negative Mult Squaring Key Top
27	86252	"R" Line	Counter Control Key Top
28	86258	"R" Line	Mult Repeat Key Top
29	14235	RSQ, RSC	Decimal Setting Knob
30	86254	RSQ, RSC	Decimal Setting Key Top
31	86277	RSQ, RSC	Decimal Setting Bar
	86290	RSQ, RSC	Decimal Setting Bar Assembly
32	86278	RSQ, RSC	KB Hold Key Top
33	86321	RBT	Transfer Position Selector Key Top
34	86322	RBT	Transfer Positioner Lock Key Top
35	86281 to	86289	#1 to #9 Selection Key Top - Light
	86311 to	86319	#1 to #9 Selection Key Tops - Dark
36	91552	"R" Line (except Frac Cent)	Product Dial Face
37	96407	"R" Line	Position Indicator
38	93125	RBT	Dial Blocking Slide
39	96470	"R" Line	Product Dial Decimal Marker
40	96465	"R" Line	Counter Dial Decimal Marker
41	25004	RSC, RSQ	Dial-Automatic Decimal
42	81795	RSC, RSQ, RBT	Keyboard Decimal Marker (9 reg)
	81900	RSR	Keyboard Decimal Marker (9 reg)
43	56558	RSC, RSQ	Multiplier Check Dial


35 (Dust Cover)
36 (Power Cord)

R LINE COVERS

ITEM	PART NO.	MODEL	DESCRIPTION
1	14206G	"R" Line	Bottom Pan (cover)
2	13740	RSR, RBT,	Bottom Pad & Cover Assembly
	14340	RSC, RSQ	Bottom Pad & Cover Assembly
3	13725	RSR, RBT	Front Cover
	14210G	RSC, RSQ	Front Cover
4	14215G	"R" Line	Rear Cover
	14170G	RSC	Rear Cover (Item Counter)
5	13735	RSR	Front Top Cover Mask
	13755	RBT	Front Top Cover Mask
	14330	RSC	Front Top Cover Mask
	14335	RSQ	Front Top Cover Mask
6	96460G	"R" Line	Carriage Cover
7	96475	RSC	Carriage Dial Mask
	96480	RSQ, RSR	Carriage Dial Mask
	96485	RBT	Carriage Dial Mask
8	96470	"R" Line	Accum. Dial Decimal Pointer (5 req.)
9	93125	RBT	Back Transfer Dial Blocking Slide
10	96465	"R" Line	Counter Dial Decimal Pointer (3 req.)
11	96422	RBT	Cover Mask Support Cork
	96438	RSC, RSQ, RSR	Cover Mask Support Cork
12	96407	"R" Line	Position Indicator
13	13732	RSR	Friden Medallion
	14301	RSC, RSQ, RBT	Friden Medallion (2 req.)
14	2309	RSC, RSQ	Screws (2 req. - See Figure 3 for RSR & RBT)
15	13728	RSR, RBT	Parts Shield
	14345	RSC, RSQ	Parts Shield
16	2500	"R" Line	Screw 8-32 x 1/2"
17	14320	RSC, RSQ	Check Dial Window & Mask Assembly
18	14273	RSC, RSQ	Multiplier Decimal Marker (2 req.)
19	14294	RSC, RSQ	Check Dial Window Bracket
20	2217	RSC, RSQ	Screw 3-48 x 5/32" (2 req.)
21	11391	RSR, RBT	Check Dial Window
22	11873	RSR, RBT	Check Dial Decimal Bar
23	11871	RSR, RBT	Multiplier Decimal Pointer
24	2420	RSR, RBT	Screw (2 req.)
25	4744	RSR, RBT	Washer (2 req.)
26	11872	RSR, RBT	Check Dial Mask
27	13737	"R" Line	Vinyl Beading
28	14293	RSC, RSQ	Friction Spring
29	93031	RSR, RBT	Finger Guard - Right
	96464	RSC, RSQ	Finger Guard - Right
30	93029	RSR, RBT	Finger Guard - Left
	96463	RSC, RSQ	Finger Guard - Left
31	2620	"R" Line	Screw
32	4017	"R" Line	Washer
33	3158	RSR, RBT	Nut - 3/16" Hex.
34	2012	RSR, RBT	Screw (2 req.)
35	11016	"R" Line	Dust Cover
36	11865	"R" Line	Power Cord (115V)
37	102081	"R" Line	Cover Screw
38	2452	"R" Line	Screw - Carriage Mask (4 req.)
39	4354	"R" Line	Spacer - Carriage Mask (4 req.)

NOTE: G following part number indicates Sandalwood color.



Parts not numbered will be found in the "W" or "V" line Parts Manuals.

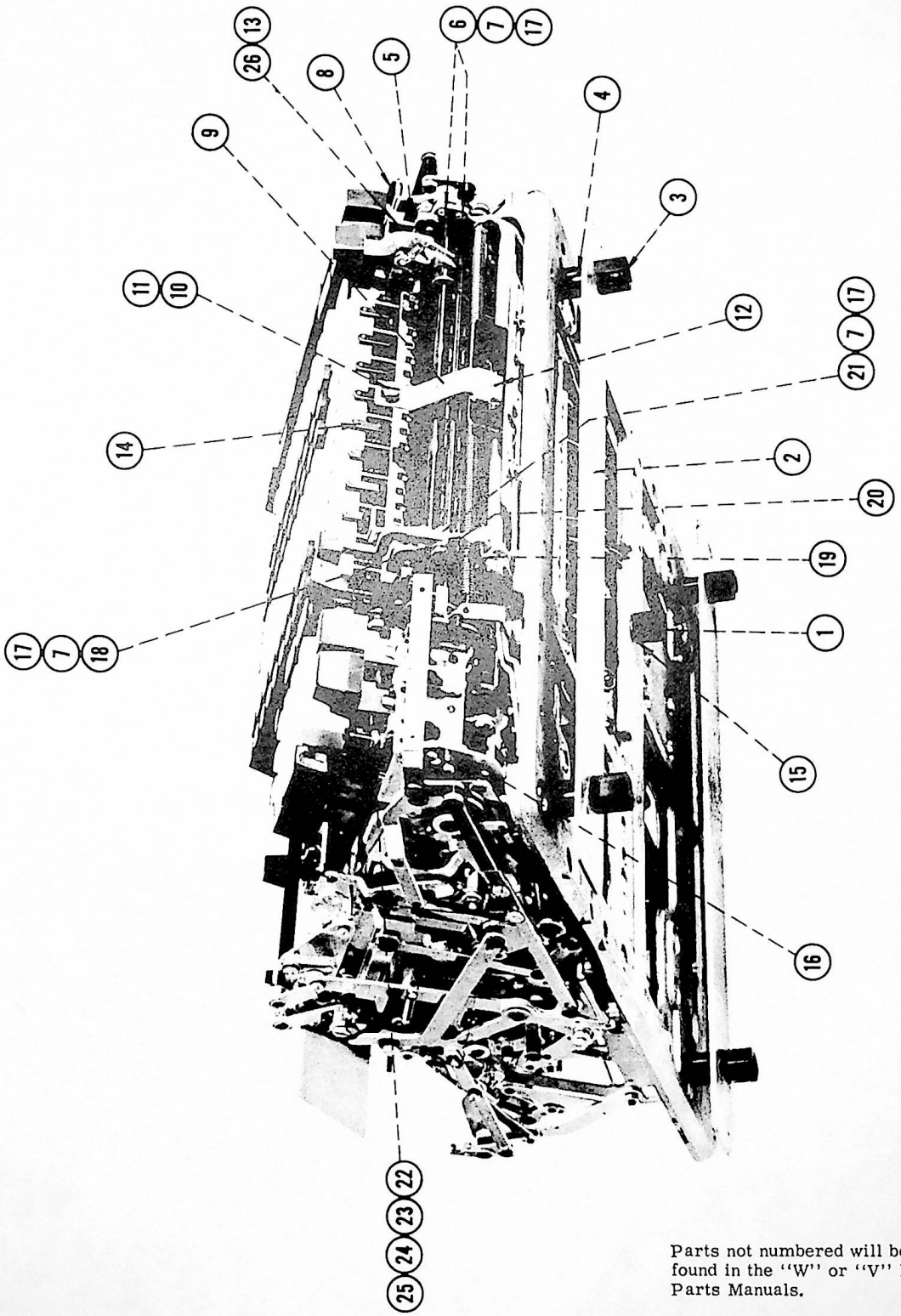
R LINE PARTS

ITEM	PART NO.	MODEL	DESCRIPTION
1	48000	RSR, RBT	Keyboard Lock Lever
2	48090	RSR	Division Stop Lever
	21475	RBT	Division Stop Lever
3	21290	RSR, RBT	Add Key Lever
4	48115	RSR, RBT	True Quotient Key
5	36125	RBT	Product to Keyboard Key
6	81863	RBT	Column Clear & Lock Key (10 req.)
7	45847	RSR	Initiator Key - Right (1 req.)
8	45848	RSR	Initiator Key - Center (9 req.)
9	45849	RSR	Initiator Key - Left (1 req.)
10	81056	RBT	Transfer Selection Lock Lever
11	86197	RSR, RBT	Multiplier Key
12	81440	RBT	Transfer Key - Left
13	86198	RSR, RBT	Accum Mult Key
14	86199	RSR, RBT	Neg. Mult Key
15	81434	RBT	Transfer Key - Right
16	14350	RBT	Keyboard Mask Support Bracket
17	45738	RSR, RBT	Keyboard Support - Rear
18	48120	RSR	Repeat Mult Interlock Lever
	48125	RBT	Repeat Mult Interlock Lever
19	102079	RSR, RBT	Screw Stud
*20	86215	"R" Line	Repeat Mult Operating Key
21	81360	RSR, RBT	Counter Non Entry Key
22	86194	"R" Line	Counter Control Key
*23	86173	"R" Line	Operating Keys Bracket
24	81287	RBT	Transfer Keys Interlock
25	48130	RSR	Mult Keyboard Top Plate
	48135	RBT	Mult Keyboard Top Plate
26	81247	RSR, RBT	Detent - Non Entry Key
27	2020	"R" Line	Screw (2 req.)
28	4004	"R" Line	Lockwasher (2 req.)
29	2030	"R" Line	Screw
30	1058	"R" Line	Spring
31	86157	"R" Line	Detent - Counter Control Key
32	4521	"R" Line	Snap Washer
33	1043	"R" Line	Spring
34	2314	"R" Line	Screw
35	4515	"R" Line	Spacer
	88014	RBT	Carriage Front Strap
36	45309	RSR	Carriage Front Strap (2 req.)
37	13728	RSR, RBT	Parts Shield
38	2515	RSR, RBT	Screw
39	4770	RSR, RBT	Washer
40	6993	RSR, RBT	Screw

R LINE PARTS

ITEM	PART NO.	MODEL	DESCRIPTION
41	83665	RSR, RBT	Negative Division Key
	1041	RBT	Spring
42	1175	RSR	Spring
43	2504	RSR, RBT	Screw Stud
44	94019	RSR, RBT	Mask Support Bracket
45	90028	RSR, RBT	Rubber Bumper
46	81902	RSR, RBT	Decimal Marker - Retainer
47	2309	RSR, RBT	Screw (5 req.)
48	81238	RBT	Bumper
49	86160	RSC, RSQ, RBT	Mult Keyboard Bottom Plate
	48100	RSR	Mult Keyboard Bottom Plate
50	48004	RSR, RBT	Repeat Mult Actuating Bellcrank
51	3011	RSR, RBT	Nut
52	1074	RSR, RBT	Mult Selection Key Spring (11 req.)
53	2115	RSR, RBT	Screw
54	1175	RSR, RBT	Spring
55	4623	RSR, RBT	Snap Washer (2 req.)
56	1105	RSR, RBT	Spring
57	102074	RSR	Screw Stud
58	4012	RSR, RBT	Washer
59	3014	RSR, RBT	Nut
60	4006	RSR, RBT	Lock Washer
61	34131	RSR, RBT	Brace - Inside Auxiliary Left Frame
62	2020	RSR, RBT	Screw
63	4004	RSR, RBT	Washer

*Part is interchangeable with old part, but old part will not work in new machine.

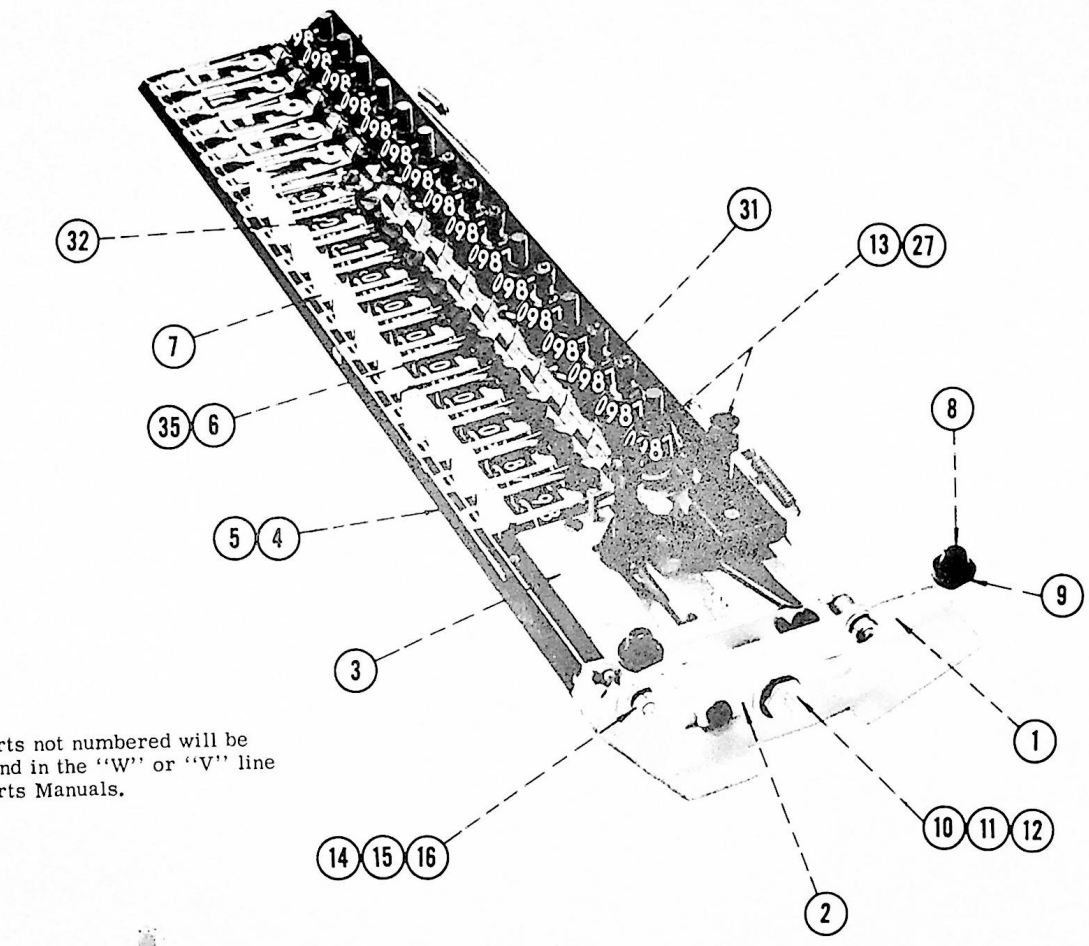


Parts not numbered will be found in the "W" or "V" line Parts Manuals.

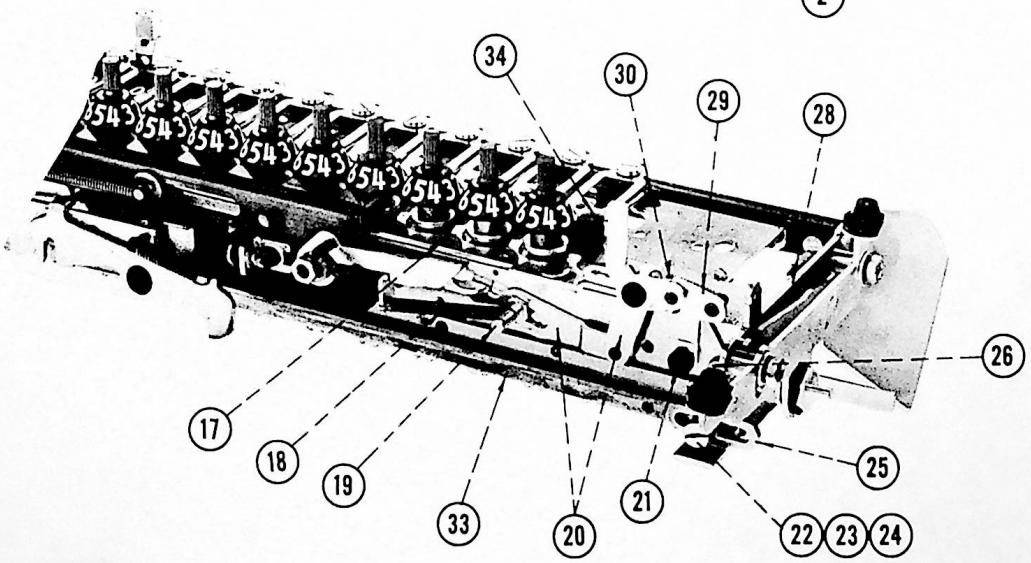
R LINE PARTS

ITEM	PART NO.	MODEL	DESCRIPTION
1	102069	RSR, RBT	Hex Head Screw
2	13727	RSR, RBT	Bottom Cover Bracket (2 req.)
3	102068	RSR, RBT	Hex Head Screw (4 req.)
4	4998	RSR, RBT	Spacer (4 req.)
5	13729	RSR, RBT	Mask Support Bracket (2 req.)
6	2022	RSR, RBT	Screw (2 req. for each Bracket on RSR. 2 req. for right Bracket only on RBT - See items 7, 17, 18, 19, 20, & 21 for left Bracket.)
7	4017	RSR, RBT	Lockwasher (2 req. for each Bracket)
8	6074	"R" Line	Rubber Support Grommet (2 req.)
9	83144	RBT	Transfer Selection Control Arm
10	2029	RBT	Screw
11	4250	RBT	Washer
12	2059	RBT	Screw
13	2007	RBT	Screw
*14	14243	"R" Line	Decimal Marker Support
15	4033	RSR, RBT	Spacer
*16	60610	RSR	Control Plate
	63105	RBT	Control Plate - Special Order?
*	63110	RBT	Control Plate
*	63175	RSR	Control Plate - Veeder Root Counter
*	30555	RSR	Left Auxiliary Frame - Inside
	33125	RBT	Left Auxiliary Frame - Inside
	33000	RBT	Left Auxiliary Frame - Outside
	30680	RSR	Left Auxiliary Frame - Outside
17	4069	RSR, RBT	Washer (2 req. for each Bracket)
18	2113	RBT	Screw
19	2556	RBT	Screw
20	4196	RBT	Hub-Transfer Selection Lock Lever
21	3007	RBT	Nut
22	14239	RSR, RBT	Zero Keytop Bracket
23	102045	RSR, RBT	Screw
24	2020	RSR, RBT	Screw
25	86280	RSR, RBT	Zero Key Top & Bracket Assembly
26	96484	RBT	Keyboard Stored Indicator

* Part is interchangeable with old part, but old part will not work in new machine.



Parts not numbered will be found in the "W" or "V" line Parts Manuals.

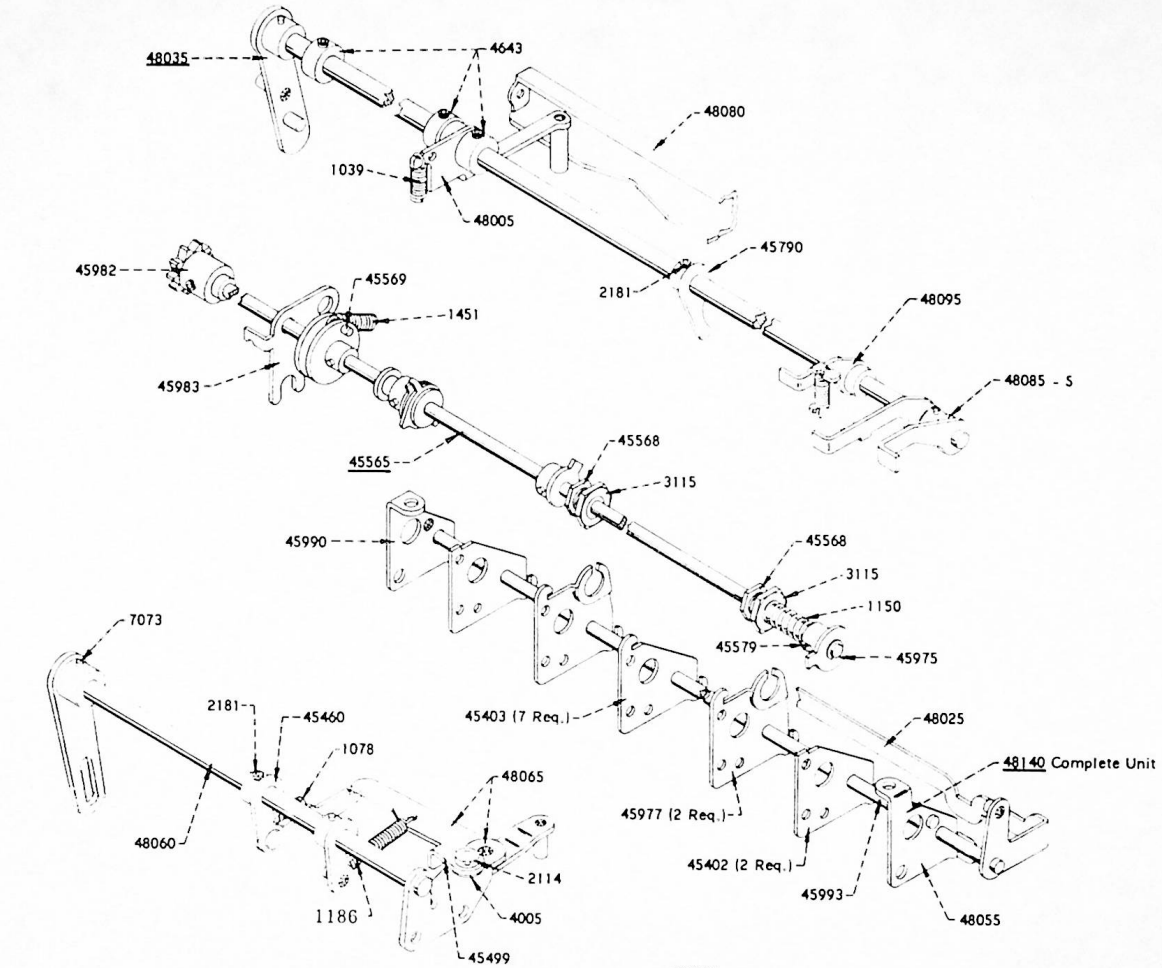


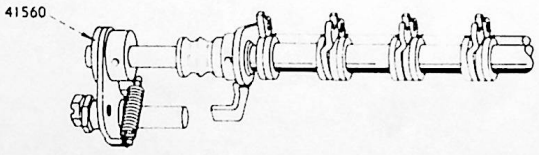
R LINE PARTS

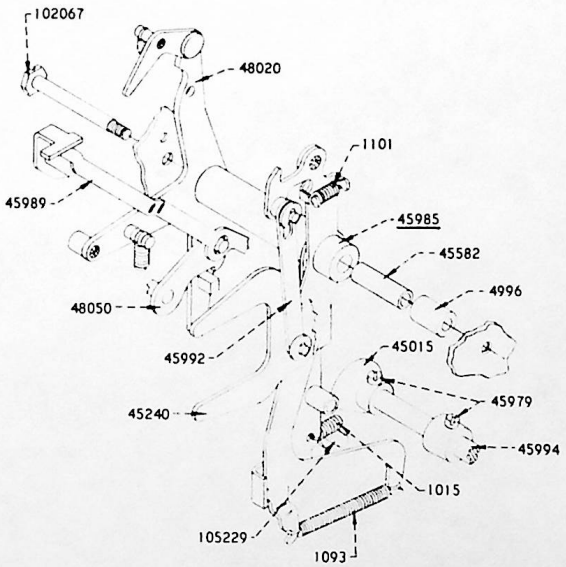
ITEM	PART NO.	MODEL	DESCRIPTION
*1	96397	"R" Line	Carriage Cover Bracket (2 req.)
2	91025	RSR, RBT	Carriage End Plate - Right
3	91040	RSR, RBT	Carriage Rail Brace - Right
4	93405	RBT	Carriage Rail
*	48075	RSR	Carriage Rail
5	93400	RBT	Carriage Rail Assembly
*	48080	RSR	Carriage Rail Assembly
6	93380	RBT	Sensing Finger Block (10 req.)
7	91279	RSR, RBT	Tab Key Stem Adapter (11 req.)
8	14223	"R" Line	Cover Grommet (4 req.)
9	14219	"R" Line	Support Washer (4 req.)
10	3959	"R" Line	Screw Stud
11	6074	"R" Line	Rubber Grommet (2 req.)
12	3036	"R" Line	Nut (2 req.)
13	1368	"R" Line	Spring
14	3018	"R" Line	Nut (4 req.)
15	4006	"R" Line	Lockwasher (4 req.)
16	4012	"R" Line	Washer (4 req.)
*17	90650	RSR, RBT	Zero Stop Slide
18	1006	"R" Line	Spring
19	3582	"R" Line	Screw Stud
20	94940	"R" Line	Split Clear Control Lever Assembly
21	2493	"R" Line	Screw
22	2141	RSR, RBT	Screw
23	4006	RSR, RBT	Lockwasher
24	4033	RSR, RBT	Washer
25	94009	RSR, RBT	Carriage End Stop
26	2022	"R" Line	Screw
27	96398	"R" Line	Insert Accumulator & Counter Clear Rack
28	91030	RBT	Carriage End Plate - Left
	91045	RSR	Carriage End Plate - Left (Full Capacity)
29	94945	"R" Line	Split Clear Control Arm
	1043	RSR	Spring
30	1045	RBT	Spring
31	93390	RBT	Accumulator Dial Shaft Assembly - Odd (6 req.)
	93385	RBT	Accumulator Dial Shaft Assembly - Even (8 req.)
	94920	RBT	21st Dial Shaft Assembly (1 req.)
	93290	RBT, RSR	Fractional Cent Dial Shaft Assembly - Odd
	93295	RBT, RSR	Fractional Cent Dial Shaft Assembly - Even
	93365	RSR	Accumulator Dial Shaft Assembly - Odd (5 req.)
	93360	RSR	Accumulator Dial Shaft Assembly - Even (5 req.)
	93370	RSR	Full Capacity Dial Shaft Assembly - Odd (4 req.)
	93375	RSR	Full Capacity Dial Shaft Assembly - Even (6 req.)
	93310	RSR	21st Dial Shaft Assembly (1 req.)
	94680	RSC, RSQ	Accumulator Dial Shaft Assembly - Odd (6 req.)
	94675	RSC, RSQ	Accumulator Dial Shaft Assembly - Even (5 req.)
	94685	RSC, RSQ	Full Capacity Dial Shaft Assembly - Odd (4 req.)
	94690	RSC, RSQ	Full Capacity Dial Shaft Assembly - Even (4 req.)
	94695	RSC	20th Dial Shaft Assembly (1 req.)
	94920	RSC	21st Dial Shaft Assembly (1 req.)
	94670	RSQ	20th Dial Shaft Assembly (1 req.)
	94665	RSQ	21st Dial Shaft Assembly (1 req.)
	96115	RSC, RSQ	Fractional Cent Dial Shaft Assembly - Odd
	96105	RSC, RSQ	Fractional Cent Dial Shaft Assembly - Even
32	94995	RSC, RSQ	Counter Dial Shaft Assembly (11 req.)
	91450	RSR, RBT	Counter Dial Shaft Assembly - Odd
	91460	RSR, RBT	Counter Dial Shaft Assembly - Even
*33	91810-T	RBT	Carriage Frames Assembly
*	91725-T	RSR	Carriage Frames Assembly
34	102061	RSR, RBT	Screw - Mask Support
35	4237	RBT	Spacer - (10 req.)

*Part is interchangeable with old part, but old part will not work in new machine.

New Square Root Mechanism







48010 Left Front Frame

45375 Left Rear Frame

STARTING SERIAL NUMBER: RSR 000466

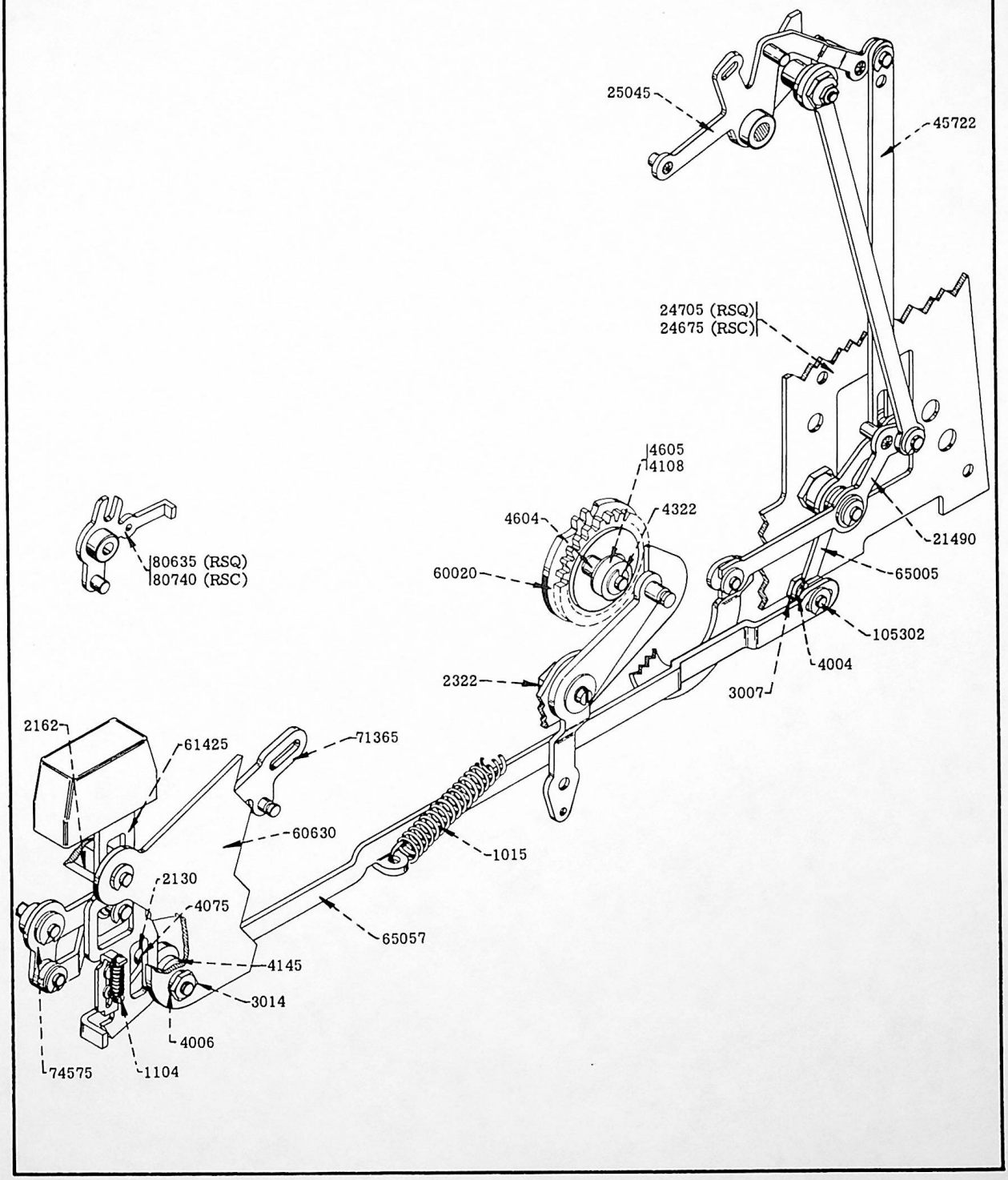
REASON FOR CHANGE: Improved Square Root Mechanism.

INTERCHANGEABLE: No; Unless All Parts Are Used. Not Practical.

1015	Spring
1039	Spring
1078	Spring
1093	Spring
1101	Spring
1150	Spring
1186	Spring
1451	Spring (Cam Shaft Return)
2114	Screw
2181	Set Screw
3115	Nut (Cam Shaft Bearing)
4005	Lockwasher
4643	Collar (3 reg. on Starting Shaft)
4996	Spacer
*41560	Counter Rocker Lever
*45240	Counter Rocker Cam Follower
*45375	Left Rear Frame
45402	Spacer Plate
45403	Spacer Plate
*45460	Cam Shaft Engaging Link
45499	Cam Shaft Shift Arm Stop
45565	Feed Engager Cam Shaft
45568	Bearing (Cam Shaft)
45569	Pin (Spring Hook-up)
45579	Pin (#1 Cam Guide)
45582	Spacer
45790-1	Tab Clear Arm
45975	#1 Feed Engager Cam
45977	Spacer Plate
45979	Screw (Cam Shaft Feed Cam & Disabling Cam)
45982	Cam Shaft Feed Ratchet Gear
45983	Cam Shaft Support Bracket
45985	Cam Shaft Feed Pawl & Levers Assembly
45989	Termination Link
45990	Square Root Unit Left End Plate
45992	Cam Shaft Feed Pawl Disabling Link
45993	Holding Pawl Shaft (SR Unit)
45994	Division Throwout Shaft
48005	8th Position Cam Shaft Block
48010	Left Front Frame
48015	Cam Shaft Feed Cam
48020	Main Feed Cam
48025	Clear Bail Assembly
48035	Starting Shaft Assembly
48050	Termination Delay Latch
48055	Right End Plate (SR Unit)
48060	Cam Shift Arm Shaft Assembly
48065	Cam Shaft Shift Arm
48080	Carriage Front Rail
48085-S	Tab Key Actuator
48095	8th Position Tab Latch
102067	Screw
105229	Screw Stud
48140	Complete Square Root Unit

For Square Root Parts not shown or numbered above, See SRW Section and SP 44.

*Parts are interchangeable with old part, but old parts will not work in new machine.


25045
45722
24705 (RSQ)
24675 (RSC)
4605
4108
4604
4322
21490
80635 (RSQ)
80740 (RSC)
60020
65005
105302
4004
2322
3007
2162
61425
71365
60630
1015
2130
4075
65057
4145
3014
4006
74575
1104

STARTING SERIAL NUMBERS: RSC 002365 & RSQ 001120

REASON FOR CHANGE: To provide RSC & RSQ with carriage return on carriage clear operations.

INTERCHANGEABLE: No, unless all parts are used - not practical. Refer to Calculator Service Letter #2 for simplified Field installation in RSC & RSQ machines prior to the above serial numbers.

Part No.	Description
*1015	Spring.
*1104	Spring.
*2130	Screw.
*2162	Screw Stud.
*2322	Screw Stud.
*3007	Nut.
*3014	Nut.
*4004	Lockwasher.
*4006	Lockwasher.
*4075	Spacer.
*4108	Roller..
*4145	Spacer.
*4604	Roller.
*4605	Felt Washer.
*4322	Snap Washer.
21490	Key Latch Lever. New part - replaces 21480.
24705	Right Side Frame - Rear (RSQ). New part - replaces 24685 (Note: RSC uses standard 24675 Frame).
**25045	Tab Disabling Lever.
*45722	Dividend Tab Restore Link.
*60020	Division Idler Gear. Replaces 60500 & 60605.
60630	Control Plate. New part - replaces 60300.
*61425	Carriage Clear Key Stem. Replaces 60485 & 60488.
65005	Key Latch Bellcrank. New part.
**65057	Key Latch Link. Replaces 60504.
*71365	Clutch Operating Link. Replaces 73590.
*74575	Clear Key Bellcrank. Replaces 74580.
80635	Clear Disabling Bellcrank (RSQ). New part - replaces 80640.
80745	Clear Disabling Bellcrank (RSC). New part - replaces 80655.
105302	Eccentric Stud. New part.

* Standard part - usage added for this modification.
** Parts are interchangeable with old part but old parts will not work in new machine.

"R" LINE
PARTS MANUAL

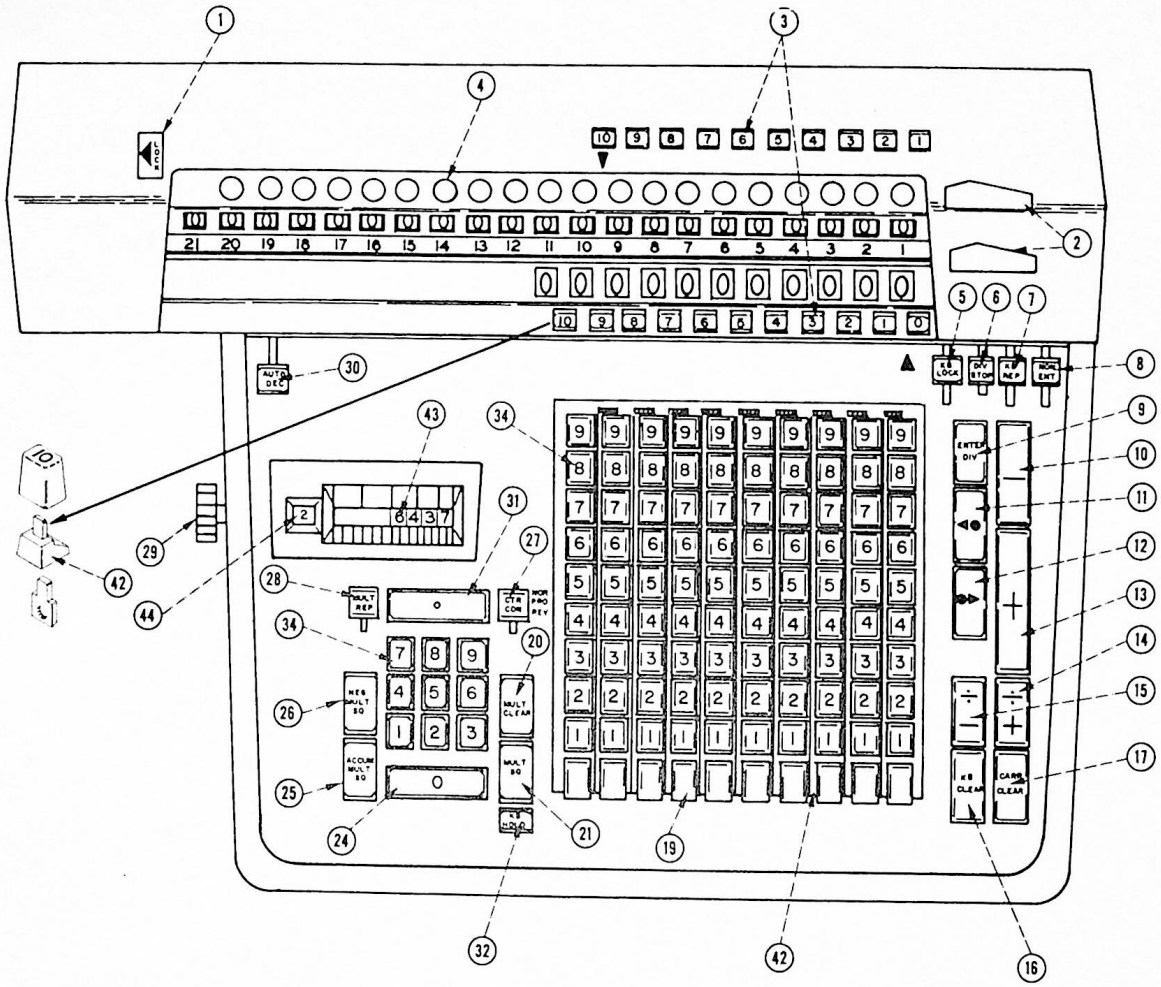
This section contains the illustrations of parts used on "R" Line Models RSC, RSQ, RSR, & RBT. For RSC & RSQ parts not shown or listed, refer to the "V" Line Section of your Calculator Parts Manual. For RSR & RBT parts not shown or listed, refer to the STW, SRW, SRQ, & SBT Sections of your Calculator Parts Manual.

Insert this Section in your Calculator Parts Manual behind the "R" Line Tab.

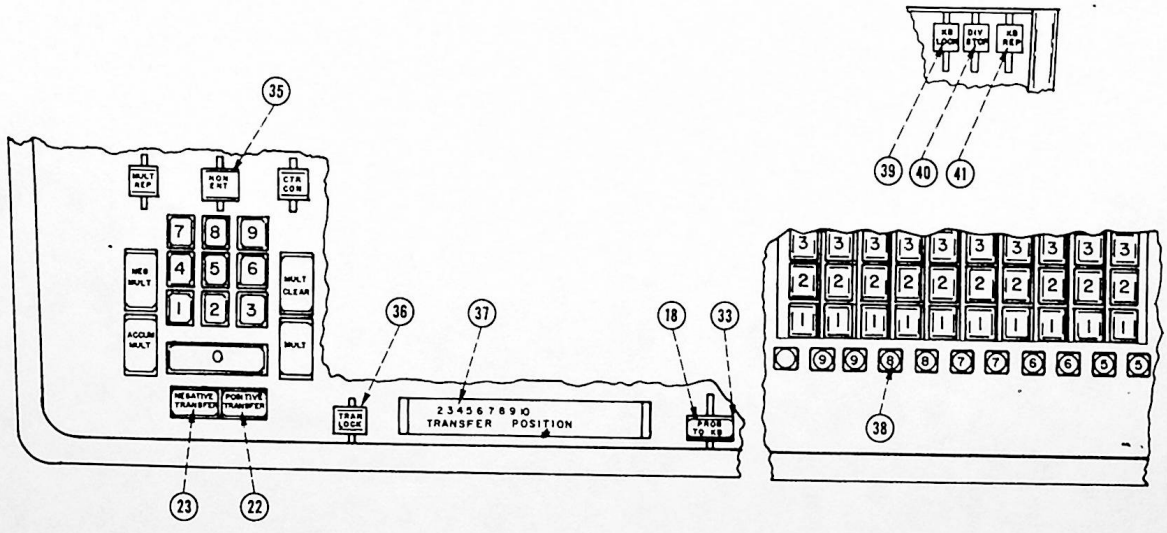
KEY TOPS - Figure 1

KEY TOPS - Figure 1

Revision 1	Remove Page 1, No Revision	Insert this page	11 - 15 - 67



45 MAIN KEYBOARD - COMPLETE



KEY TOPS - Figure 1

11-15-67	Remove Page 2, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	"R" Models	86259	Split Clear Lock Key Top.
2	"R" Models	96455	Optional Clear Knob.
3	"R" Models	-----	Tab Stop/Auto Division Stop Key Tops.

KEY TOP #	Part Number
Set	91276
"0"	86260
#1	86261
#2	86262
#3	86263
#4	86264
#5	86265
#6	86266
#7	86267
#8	86268
#9	86266
#10	86269
Blank	*91299

*Not included in Set 91276 - Order Separately.

4	"R" Models	94666	Dial Twirler Knob.
5	RSC & RSQ	86256	Keyboard Lock Key Top.
6	RSC & RSQ	86257	Division Stop Key Top.
7	RSC & RSQ	86251	Keyboard Repeat Key Top.
8	RSC & RSQ	86253	Non Entry Key Top.
9	"R" Models	86292	Enter Dividend Key Top.
10	"R" Models	86297	Minus Key Top.
11	"R" Models	86293	Left Shift Key Top.
12	"R" Models	86294	Right Shift Key Top.
13	"R" Models	86298	Plus Key Top.
14	"R" Models	86299	Positive Division Key Top.
15	"R" Models	86296	Negative Division Key Top.
16	"R" Models	86309	Keyboard Clear Key Top.
17	"R" Models	86291	Carriage Clear Key Top.
18	RBT	86303	Product to Keyboard Key Top.
19	RSC, RSQ & RBT	86310	Column Clear & Lock Key Top.
20	"R" Models	86271	Mult Clear Key Top.
21	RSC & RBT	86306	Mult Key Top.
	RSQ & RSR	86272	Mult Squaring Key Top.
22	RBT	86304	Positive Transfer Key Top.
23	RBT	86302	Negative Transfer Key Top.
24	"R" Models	86276	Zero Multiplier Selection Key Top.
25	RSC & RBT	86308	Accum Mult Key Top.
	RSQ & RSR	86274	Accum Mult Squaring Key Top.
26	RSC & RBT	86307	Negative Mult Key Top.
	RSQ & RSR	86273	Negative Mult Squaring Key Top.
27	"R" Models	86252	Counter Control Key Top.
28	"R" Models	86258	Multiplier Repeat Key Top.
29	RSC & RSQ	14235	Decimal Setting Knob.

KEY TOPS - Figure 1

Revision 1	Remove Page 2, No Revision	Insert this page	11-15-67

ITEM	MODEL	PART NUMBER	DESCRIPTION
30	RSC & RSQ	86254	Auto Decimal Key Top.
31	RSC & RSQ	86277	Decimal Setting Key Top.
	RSC & RSQ	86290	Decimal Setting Key Top & Bracket Assembly.
32	RSC & RSQ	86278	Keyboard Hold Key Top.
33	RBT	2031	Key Top Retainer Screw.
34	"R" Models	-----	Selection Key Tops.

KEY TOP #	Light	Dark
Set	91278	91290
#1	86281	86311
#2	86282	86312
#3	86283	86313
#4	86284	86314
#5	86285	86315
#6	86286	86316
#7	86287	86317
#8	86288	86318
#9	86289	86319

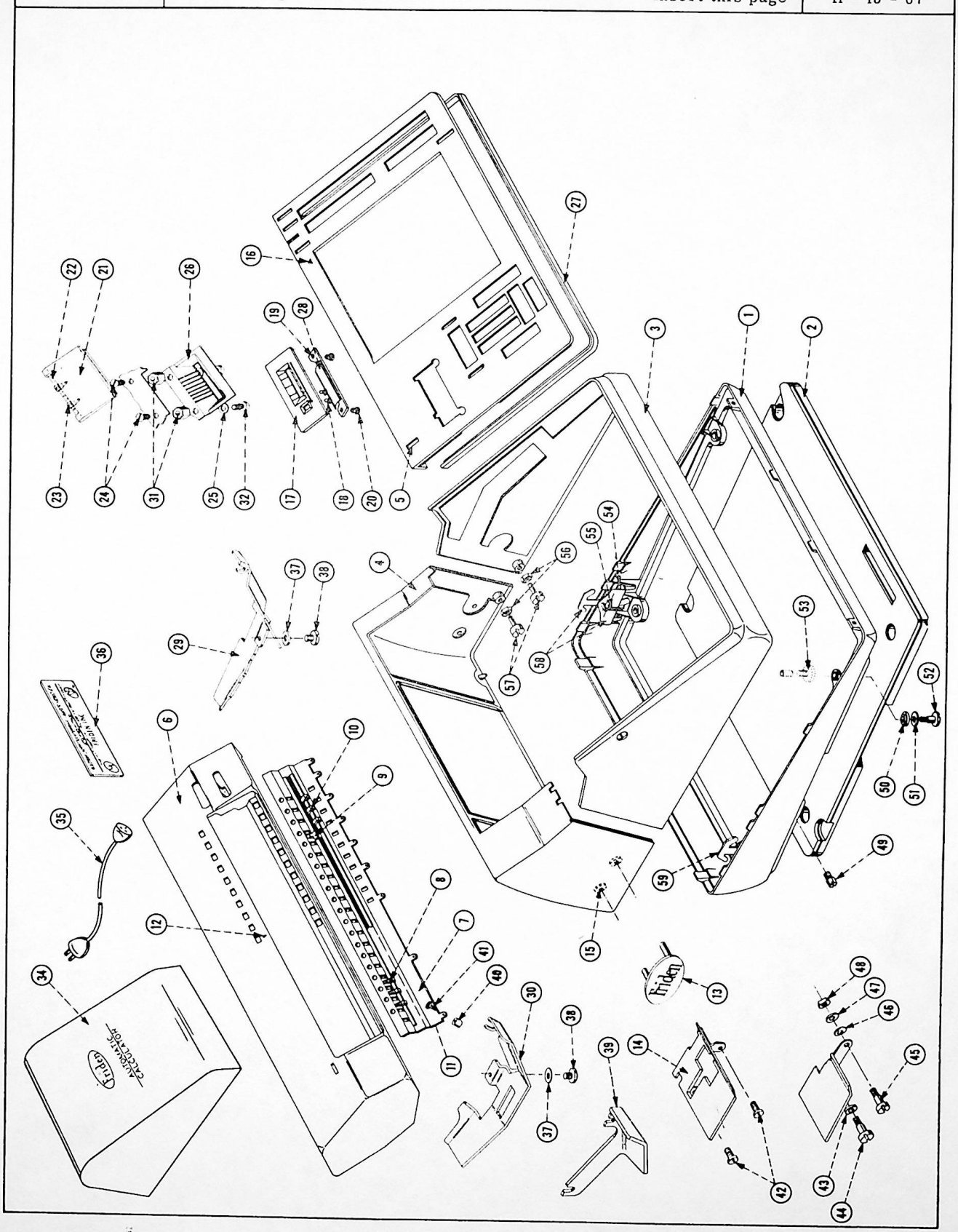
ITEM	MODEL	PART NUMBER	DESCRIPTION
35	RSR & RBT	86253	Non Entry Key Top.
36	RBT	86322	Transfer Lock Key Top.
37	RBT	86321	Transfer Position Selector Slide.
38	RSR	-----	Square Root Key Tops.

KEY TOP #	Part Number
Set	91277
#5	80845
#6	80846
#7	80847
#8	80848
#9	80846
Blank	80840

39	RSR & RBT	86256	Keyboard Lock Key Top.
40	RSR & RBT	86257	Division Stop Key Top.
41	RSR & RBT	86251	Keyboard Repeat Key Top.
42	RSC, RSQ & RBT	81795	Keyboard Decimal Marker.
	RSR	81900	Keyboard Decimal Marker.
43	RSC & RSQ	56558	Multiplier Check Dial.
44	RSC & RSQ	25004	Dial - Automatic Decimal.
45	RSC & RSQ with Standard Keyboard	86125	Main Keyboard Assembly - Complete.
	RSC & RSQ with Statistical Keyboard	86130	Main Keyboard Assembly - Complete.
	RSR	80910	Main Keyboard Assembly - Complete.
	RBT	83250	Main Keyboard Assembly - Complete.

COVERS - Figure 2

Revision 1	Remove Page 3, No Revision	Insert this page	11 - 15 - 67



COVERS - Figure 2

11-15-67	Remove Page 4, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	RSR & RBT	14395-S	Bottom Cover Pan.
	RSC & RSQ	14390-S	Bottom Cover Pan.
2	RSR & RBT	13740	Bottom Pad & Cover Assembly.
	RSC & RSQ	14340	Bottom Pad & Cover Assembly (Not available; replace with 13740).
3	RSR & RBT	14515-S	Front Cover.
	RSC & RSQ	14505-S	Front Cover.
4	RSC, RSQ & RBT Standard	14375-S	Rear Cover.
	RSC, RSQ & RBT with Item Counter	14190	Rear Cover (See Figure 7, Page 32 for Item Counter installation parts).
	RSR - Standard	14380-S	Rear Cover.
	RSR with Item Counter	14370	Rear Cover (See Figure 7, Page 32 for Item Counter installation parts).
5	RSR	13735	Keyboard Mask (See Note 1, Page 9).
	RBT	13755	Keyboard Mask (See Note 1, Page 9).
	RSC	14330	Keyboard Mask (See Note 1, Page 9).
	RSQ	14335	Keyboard Mask (See Note 1, Page 9).
6	"R" Models - Standard	96460	Carriage Cover - 9th Position Split Clear.
	RSC & RSQ with Auto. Division Stop	96495	Carriage Cover - 9th Position Split Clear & Automatic Division Stop.
	RSC & RSQ with 8th Position Split	96505	Carriage Cover - 8th Position Split Clear.
7	RSC	96475	Carriage Dial Mask.
	RSQ	96480	Carriage Dial Mask.
	RBT	96485	Carriage Dial Mask (See Note 2, Page 9).
	RSR	96515	Carriage Dial Mask (Replaces 96480 Mask used in early RSR - See Note 3, Page 9).
8	"R" Models	96470	Decimal Marker - Accumulator Dials.
9	RBT	93125	Back Transfer Dial Blocking Slide.
10	"R" Models	96465	Decimal Marker - Counter Dials.
11	RBT - Late Models	96487	Cover Mask Support Cork (See Note 2, Page 9).
	RBT - Early Models	96422	Cover Mask Support Cork (See Note 2, Page 9).
	RSC, RSQ, & RSR	96438	Cover Mask Support Cork (See Note 3, Page 9 for change in RSR).
12	"R" Models	96407	Split Clear Position Indicator.
13	RSC, RSQ, & RBT	14301	Friden Medallion - Standard.
	RSR	13732	Friden Medallion - Square Root.
14	RSC & RSQ	14345	Parts Shield.
15	"R" Models	4646	Clip.
16	"R" Models	96407	Carriage Position Indicator.
17	RSC & RSQ	14320	Check Dial Window Assembly.
18	RSC & RSQ	14273	Multiplier Decimal Marker.
19	RSC & RSQ	14294	Check Dial Window Bracket.
20	RSC & RSQ	2217	Screw - 3-48 x 5/32" Fillister Head.
21	RSR & RBT	11391	Check Dial Window.
22	RSR & RBT	11873	Check Dial Decimal Bar.
23	RSR & RBT	11871	Multiplier Decimal Pointer.
24	RSR & RBT	102096	Screw - 2-56 x 5/32" Flat Head - Black Finish (Note: Plain finished Screw 2420, used in early RSR & RBT was replaced by Black finished Screw 102096 to eliminate glare & contrast with gray covers).

COVERS - Figure 2

Revision 1	Remove Page 4, No Revision	Insert this page	11-15-67

ITEM	MODEL	PART NUMBER	DESCRIPTION
25	RSR & RBT	4744	Washer.
26	RSR & RBT	11872	Check Dial Mask.
27	"R" Models	14338	Vinyl Beading - Keyboard Mask (See Note 1, Page 9).
28	RSC & RSQ	14293	Friction Spring.
29	RSC & RSQ	96464	Finger Guard - Right End.
	RSR & RBT	93031	Finger Guard - Right End.
30	RSC & RSQ	96463	Finger Guard - Left End.
	RSR	93029	Finger Guard - Left End.
31	RSR & RBT	3158	Nut - 2-56 x 3/16" Hex.
32	RSR & RBT	2012	Screw - 2-56 x 1/8" Fillister Head.
33	RSR & RBT	13728	Parts Shield.
34	"R" Models	11016	Dust Cover.
35	"R" Models	-----	Power Cords - Gray Vinyl Plastic with 3 Prong Female Receptacle (See Electrical Parts Standardization Bulletin #2 for complete listing).
36	"R" Models with 115 Volt E.I.E. Motor	13083	E.I.E. Decal - 115 Volt.
	"R" Models with 230 Volt E.I.E. Motor	13087	E.I.E. Decal - 230 Volt.
37	RSC & RSQ	4004	#4 Lockwasher.
	RSR & RBT	4017	Washer.
38	RSC & RSQ	2022	Screw - 4-48 x 1/4" Fillister Head.
	RSR & RBT	2620	Screw - 4-48 x 3/16" Pan Head.
39	RBT	93022	Finger Guard - Left End.
40	RSR & RBT	4354	Spacer.
41	RSC & RSQ	2257	Screw - 2-56 x 1/8" Washer Head.
	RSR & RBT	102102	Screw - 2-56 x 1/4" Flat Top (Note: Early RSR & RBT used Screw 2452 with 5/32" dia. head. 2452 was replaced by Screw 102102 with larger 3/16" dia. head to prevent sinking into soft aluminum Carriage Mask when tightened).
42	RSC & RSQ	2309	Screw - 4-48 x 1/8" Pan Head.
43	RSR & RBT	4770	Washer.
44	RSR & RBT	2515	Shoulder Screw - 6-40 Threads.
45	RSR	2693	Shoulder Screw - 6-32 Threads.
	RBT	2096	Screw - 6-40 x 3/16" Flat Top.
46	RSR	4012	Washer.
47	RSR	4006	#6 Lockwasher.
48	RSR	3014	Nut - 6-40 x 1/4" Hex.
49	"R" Models	102081	Cover Locking Screw.
50	"R" Models	7245	Rubber Grommet.
51	"R" Models	4519	Washer.
52	"R" Models	2786	Cover Screw.
53	"R" Models	2500	Screw - 8-32 x 23/64" Flat Top.
54	"R" Models	2788	Screw - 8-32 x 3/8" Self Tapping Phillips Head.
55	"R" Models	1036	Spring (Note: On RSC & RSQ, Spring 1036 is used on the right and left Cover Latches; on RSR & RBT it is used only on the left Cover Latch & Spring 1431 is used on the right).
	RSR & RBT	1431	Spring (used on right Cover Latch).
56	"R" Models	403009	Lock Nut.
57	"R" Models	102082	Screw Stud.

COVERS - Figure 2

11-15-67	Remove Page 4, No Revision	Insert this page	Revision 1

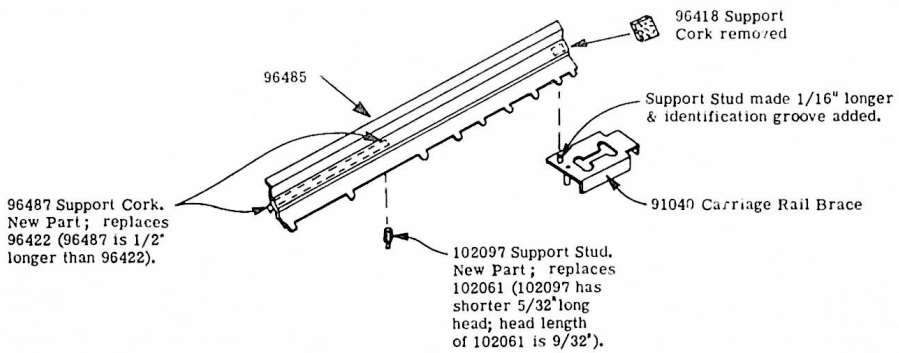
ITEM	MODEL	PART NUMBER	DESCRIPTION
58	"R" Models	14230	Cover Lock - Right.
59	"R" Models	14225	Cover Lock - Left.

NOTE 1: Effective 3-13-67, the Vinyl Beading on all "R" Line Keyboard Masks has been changed from a glue on type Beading 13737 to a press on type Beading 14338. In the future, only the press on type Beading 14338 will be supplied since it is interchangeable with the glue on type 13737.

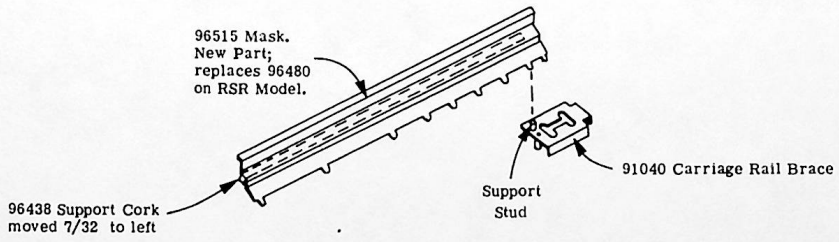
14338
(Press On Type)

13737
(Glue On Type)

NOTE 2: Effective 12-19-66, the right & left Mask Support Studs on the Carriage, and the Support Cork on RBT Carriage Mask 96485 have been changed as shown below to insure proper alignment of the Carriage Mask when mounted to the Carriage.

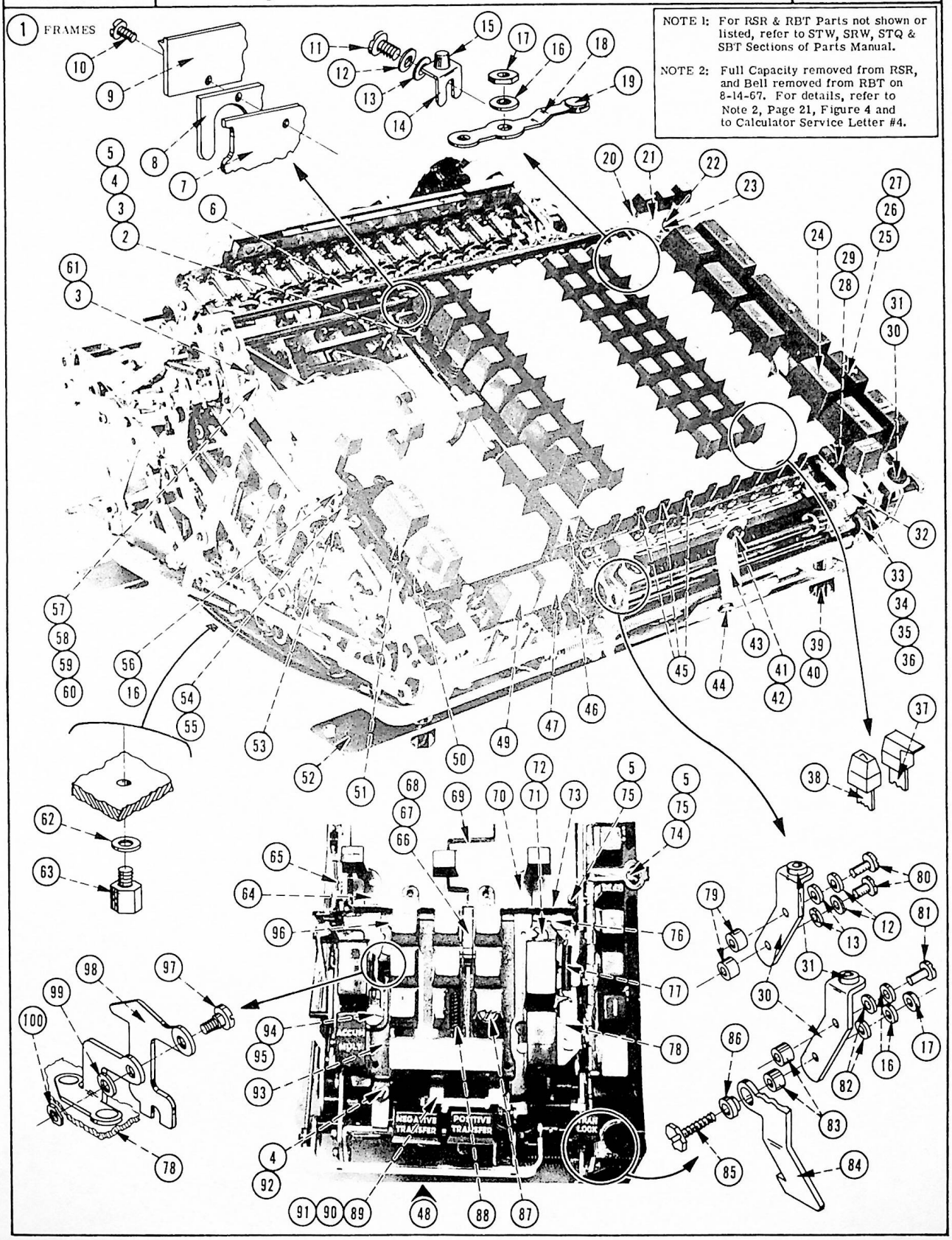

96418 Support Cork removed
96485
Support Stud made 1/16" longer & identification groove added.
91040 Carriage Rail Brace
96487 Support Cork. New Part; replaces 96422 (96487 is 1/2" longer than 96422).
102097 Support Stud. New Part; replaces 102061 (102097 has shorter 5/32" long head; head length of 102061 is 9/32").

NOTE 3: Effective 6-23-67, Carriage Mask 96480 has been replaced by Carriage Mask 96515 on RSR Models only. The new 96515 Mask is identical to 96480 except that the Support Cork has been moved 7/32" to the left to eliminate interference with the Support Stud on Carriage Rail Brace 91040.


96515 Mask. New Part; replaces 96480 on RSR Model.
91040 Carriage Rail Brace
Support Stud
96438 Support Cork moved 7/32 to left

MISCELLANEOUS RSR & RBT PARTS - Figure 3

Revision 1	Remove Page 5 & 8, No Revision	Insert this Page	11 - 15 - 67


1 FRAMES
NOTE 1: For RSR & RBT Parts not shown or listed, refer to STW, SRW, STQ & SBT Sections of Parts Manual.
NOTE 2: Full Capacity removed from RSR, and Bell removed from RBT on 8-14-67. For details, refer to Note 2, Page 21, Figure 4 and to Calculator Service Letter #4.
NEGATIVE TRANSFER
POSITIVE TRANSFER
KEY LOCK

MISCELLANEOUS RSR & RBT PARTS - Figure 3

11-15-67	Remove Page 6, 7, & 9, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	RSR & RBT	-----	Frames:

FRAME TYPE	RSR	RBT
Control Plate	*60610	*63110
Right Side	20200	45200
Left Side - Front	*30555	33125
Left Side - Rear	45375	45375
Inner Left Auxiliary	48010	33010
Outer Left Auxiliary	30680	33000

*See Note 1, Page 15.

2	RSR & RBT	14246	Rear Support Bracket - Keyboard Mask.
3	RSR & RBT	90028	Rubber Grommet.
4	RSR & RBT	3007	Nut - 4-48 x 1/4" Hex.
5	RSR & RBT	4004	#4 Lockwasher.
6	RSR	45309	Carriage Retainer Strap - 2 req.
	RBT	88014	Carriage Retainer Strap.
7	RSR & RBT	45738	Keyboard Support Plate - Rear.
8	RBT	86036	Leaf Spring.
9	RSR & RBT	81902	Decimal Marker Support.
10	RSR & RBT	2309	Screw - 4-48 x 1/8" Pan Head - 5 req.
11	RSR	2113	Screw - 4-48 x 5/16" Fillister Head.
12	RSR	4004	#4 Lockwasher.
13	RSR	4017	Washer.
14	RSR	90581	Rear Support Bracket - Keyboard Mask.
15	RSR	90028	Rubber Grommet.
16	RBT	4004	#4 Lockwasher.
17	RBT	3007	Nut - 4-48 x 1/4" Hex.
18	RBT	14350	Rear Support Bracket - Keyboard Mask.
19	RBT	81238	Rubber Grommet.
20	RSR & RBT	48000	Keyboard Lock Lever.
21	RSR	48090	Division Stop Lever.
	RBT	21475	Division Stop Lever.
22	RSR & RBT	21290	Keyboard Repeat Lever.
23	RSR & RBT	48002	Keyboard Repeat Link.
24	RSR & RBT	83665	Negative Division Key Stem.
25	RSR & RBT	48115	Positive Division Key Stem.
26	RSR & RBT	2504	Shoulder Screw - 6-40 Threads.
27	RSR & RBT	1280	Spring.
28	RBT	96484	Keyboard Stored Indicator.
29	RBT	2007	Screw - 2-56 x 3/16" Round Head.
30	RSR & RBT	13729	Front Support Bracket - Keyboard Mask.
31	RSR & RBT	6074	Rubber Grommet.
32	RBT	36125	Product to Keyboard Key.
33	RSR & RBT	2022	Screw - 4-48 x 1/4" Fillister Head.
34	RSR & RBT	4004	#4 Lockwasher.
35	RSR & RBT	4017	Washer.
36	RSR & RBT	4069	Spacer.
37	RBT	81863	Column Clear & Lock Key Stem.

MISCELLANEOUS RSR & RBT PARTS - Figure 3

Revision 1	Remove Page 6, 7, & 9, No Revision	Insert this page	11-15-67

ITEM	MODEL	PART NUMBER	DESCRIPTION
38	RSR	-----	Square Root Key Stems.

POSITION	Part Number
Right	45847
Center	45848
Left	45849

39	RSR & RBT	102068	Hex Screw Stud - 1/4-28 Thread - 4 req.
40	RSR & RBT	4998	Spacer - 4 req.
41	RBT	2029	Screw - 4-48 x 1/4" Flat Top.
42	RBT	4250	Washer.
43	RBT	83144	Transfer Selection Control Arm.
44	RBT	2271	Screw - 6-32 x 9/32" Flat Top.
45	RSR & RBT	14243	Decimal Marker Support Bracket (See Note 1, Page 15).
46	RSR & RBT	86197	Multiplier Key Stem.
47	RBT	81470	Positive Transfer Key Stem.
48	RBT	81435	Transfer Keys Assembly.
49	RBT	81440	Negative Transfer Key Stem.
50	RSR & RBT	86198	Accumulate Multiplier Key Stem.
51	RSR & RBT	86199	Negative Multiplier Key Stem.
52	RSR & RBT	13727	Bottom Cover Support Plate - 2 req.
53	RSR	48120	Repeat Mult Interlock Lever.
	RBT	48125	Repeat Mult Interlock Lever.
54	RSR & RBT	102079	Screw Stud - 5-40 Threads.
55	RSR & RBT	3011	Nut - 5-40 x 1/4" Hex.
56	RSR	102074	Screw Stud - 4-48 Threads.
	RBT	2020	Screw - 4-48 x 3/16" Fillister Head.
57	RBT	3018	Nut - 6-40 x 1/4" Hex.
58	RBT	4006	#6 Lockwasher.
59	RBT	4012	Washer.
60	RBT	2638	Screw - 6-40 x 5/8" Flat Top.
61	RSR & RBT	94019	Left Rear Support Bracket - Keyboard Mask.
62	RBT	4033	Spacer.
63	RSR & RBT	102069	Hex Screw Stud - 6-32 Threads.
64	RSR & RBT	86215	Repeat Mult Control Slide (See Note 1, Page 15).
65	RSR & RBT	1175	Spring.
66	RSR & RBT	81247	Detent - Counter Control Slide.
67	RSR & RBT	2209	Screw - 3-48 x 1/8" Round Head.
68	RSR & RBT	3004	Nut 3-48 x 3/16" Hex.
69	RSR & RBT	81360	Counter Non Entry Control Slide.
70	RSR & RBT	86194	Counter Control Slide.
71	RSR & RBT	86157	Detent Arm - Counter Control Slide.
72	RSR & RBT	4621	"E" Ring.
73	RSR & RBT	86173	Guide Bracket (See Note 1, Page 15).
74	RSR & RBT	34131	Brace - Left Side Frame.
75	RSR & RBT	2020	Screw - 4-48 x 3/16" Fillister Head.
76	RSR & RBT	2030	Screw - 4-48 x 1/4" Flat Top.
77	RSR & RBT	1058	Spring.
78	RSR	48100	Mult Keyboard Bottom Plate (See Note 2, Page 15).
	RBT	86165	Mult Keyboard Bottom Plate (See Note 2, Page 15).
79	RSR	4069	Spacer.
80	RSR	2022	Screw - 4-48 x 1/4" Fillister Head.

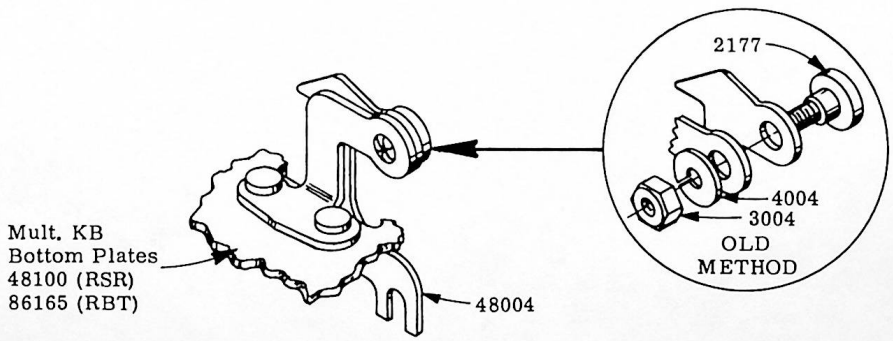
MISCELLANEOUS RSR & RBT PARTS - Figure 3

11-15-67	Remove Page 6, 7, & 9, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
81	RBT	2113	Screw - 4-48 x 5/16" Fillister Head.
82	RBT	4017	Washer.
83	RBT	4069	Spacer.
84	RBT	81056	Transfer Selector Lock Lever.
85	RBT	2556	Screw - 4-48 x 7/16" Hex Head.
86	RBT	4196	Bearing.
87	RSR & RBT	1074	Spring - 9 req.
88	RSR & RBT	1043	Spring.
89	RBT	81287	Interlock - Transfer Keys.
90	RBT	1105	Spring.
91	RBT	4623	"E" Ring - 2 req.
92	RSR & RBT	2374	Screw - 4-48 x 5/8" Hex Head.
93	RSR	48130	Mult Keyboard Top Plate.
	RBT	48135	Mult Keyboard Top Plate.
94	RSR & RBT	2314	Screw - 4-48 x 1/8" Flat Top.
95	RSR & RBT	4515	Spacer.
96	RSR & RBT	2115	Screw - 4-48 x 5/32" Flat Top.
97	Early RSR & RBT	2177	Shoulder Screw - 3-48 Threads (See Note 2, Page 15).
98	Early RSR & RBT	48004	Repeat Mult Actuating Bellcrank (See Note 2, Page 15).
99	Early RSR & RBT	4004	#4 Lockwasher (See Note 2, Page 15).
100	Early RSR & RBT	3004	Nut - 3-48 x 3/16" Hex (See Note 2, Page 15).

NOTE 1: Part revised with introduction of RSR & RBT Model Calculators. Revised part is interchangeable with old type, but old type will not work in RSR or RBT machine.

NOTE 2: Effective 1-24-67, Repeat Mult Bellcrank 48004 will be riveted to Mult KB Bottom Plates 48100 & 86165 in RSR & RBT instead of being fastened with a Screw, Nut, & Lockwasher.

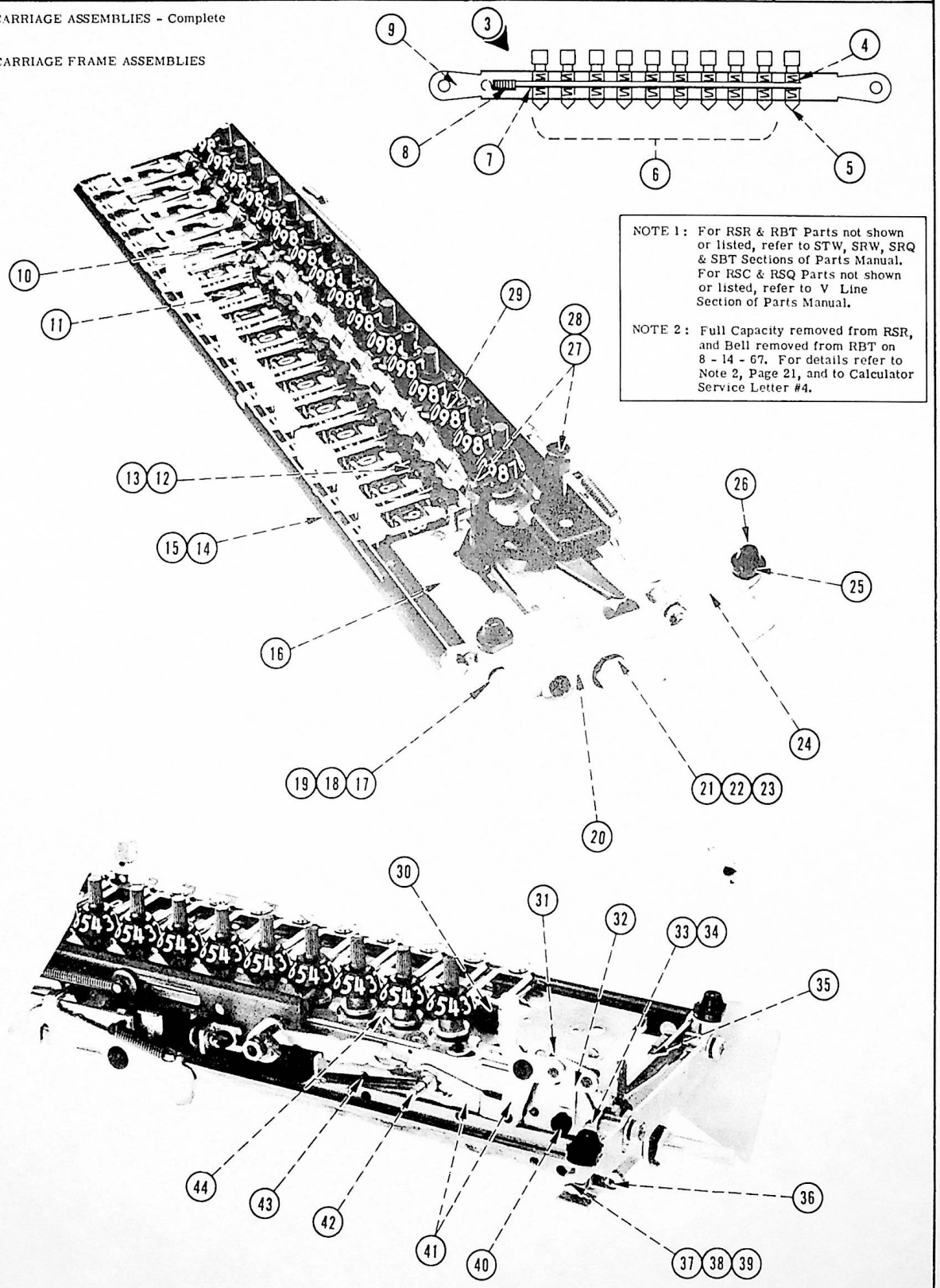


CARRIAGE PARTS - Figure 4

Revision 1	Remove Page 10, No Revision	Insert this page	11 - 15 - 67

1 CARRIAGE ASSEMBLIES - Complete

2 CARRIAGE FRAME ASSEMBLIES



NOTE 1: For RSR & RBT Parts not shown or listed, refer to STW, SRW, SRQ & SBT Sections of Parts Manual. For RSC & RSQ Parts not shown or listed, refer to V Line Section of Parts Manual.

NOTE 2: Full Capacity removed from RSR, and Bell removed from RBT on 8 - 14 - 67. For details refer to Note 2, Page 21, and to Calculator Service Letter #4.

CARRIAGE PARTS - Figure 4

11-15-67	Remove Page 11, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	"R" Models	-----	Carriage Assemblies - Complete:

MODEL	Part Number
RSC	96400
RSQ	96490
RSR	*90625
RBT	93450

*See Note 2, Page 21.

			Carriage Frame Assemblies:

MODEL	Split Clear Position 8th	Split Clear Position 9th
RSC	96510	96390
RSQ	96510	96390
RSR with Full Capacity	-----	**91725-T
RSR w/o Full Capacity	-----	**91810-T
RBT	-----	*91810-T

*See Note 1, Page 21.
**See Note 1 &2, Page 21.

3	RSC & RSQ with Auto Division Stop	96500	Division Interrupter Rail Assembly.
4	RSC & RSQ with Auto Division Stop	1107	Spring - 10 req.
5	RSC & RSQ with Auto Division Stop	91438	Division Interrupter Key Stem - 1st Position.
6	RSC & RSQ with Auto Division Stop	96301	Division Interrupter Key Stem - 2nd through 10th Position.
7	RSC & RSQ with Auto Division Stop	91429	Interrupter Key Lock Bar.
8	RSC & RSQ with Auto Division Stop	1174	Spring.
9	RSC & RSQ with Auto Division Stop	96305	Division Interrupter Rail.
10	RSC, RSQ, & Late RBT Models	102097	Screw Stud - Carriage Mask Support (has 5/32" long head - See Note 2, Page 9 of Figure 2 for change in RBT Model).
	Early RBT Models	102061	Screw Stud - Carriage Mask Support (has 9/32" long head - See Note 2, Page 9 of Figure 2 for change in RBT Model).
11	RSC & RSQ	94995	Counter Dial - 11 req.
	RSR & RBT	91450	Counter Dial - Odd - 6 req.
	RSR & RBT	91460	Counter Dial - Even - 5 req.
12	RBT	93380	Bellcrank - B.T. Sensing Finger Block - 10 req.
13	RBT	4550	Spacer - 10 req.

CARRIAGE PARTS - Figure 4

Revision 1	Remove Page 11, No Revision	Insert this page	11-15-67

ITEM	MODEL	PART NUMBER	DESCRIPTION
14	RSR	48080	Carriage Front Rail Assembly - Complete.
	RBT	93400	Carriage Front Rail Assembly - Complete.
15	RSR	48075	Carriage Front Rail.
	RBT	93405	Carriage Front Rail.
16	RSR & RBT	91040	Carriage Rail Brace (See Note 2 & 3 of Figure 2, Page 9).
17	"R" Models	3018	Nut - 6-40 x 1/4" Hex - 4 req.
18	"R" Models	4006	#6 Lockwasher - 4 req.
19	"R" Models	4012	Washer - 4 req.
20	RSR & RBT	91025	Carriage End Plate - Right.
21	"R" Models	3959	Screw Stud - 6-40 Threads - 2 req.
22	"R" Models	6074	Rubber Grommet - 2 req.
23	"R" Models	3036	Shoulder Nut - 6-40 x 3/8" Hex - 2 req.
24	"R" Models	96397	Carriage Cover Bracket - 2 req. (See Note 1, Page 21).
25	"R" Models	14219	Support Washer - 4 req.
26	"R" Models	14223	Cover Grommet - 4 req.
27	"R" Models	96398	Insert - Clear Rack.
28	"R" Models	1368	Spring.
29	"R" Models	-----	Accumulator Dials.

		DIAL TYPE							
		Standard		Full Capacity		Frac. Cent		20th	21st
		Odd	Even	Odd	Even	Odd	Even	Order	Order
MODEL	RSC	94680	94675	94685	94690	96165	96155	94695	94920
	RSQ	94680	94675	94685	94690	96165	96155	94670	94665
	RSR with Full Capacity	93365	93360	*93370	*93375	93290	93295	93360	*93310
	RSR w/o Full Capacity	93365	93360	-----	-----	93290	93295	93360	*7000015
	RBT	93390	93385	-----	-----	93290	93295	93385	94920

*See Note 2, Page 21.

30	RSR & RBT	102061	Screw Stud - Carriage Mask Support.
31	RSR with Full Capacity	1059	Spring (See Note 2, Page 21).
	RSR w/o Full Capacity	1034	Spring (See Note 2, Page 21).
	RBT	1045	Spring.
32	"R" Models	94945	Split Clear Control Arm.
33	"R" Models	2022	Screw - 4-48 x 1/4" Fillister Head.
34	"R" Models	4004	#4 Lockwasher.
35	RBT w/o Bell & RSR	91045	Carriage End Plate - Left.
	RBT with Bell	91030	Carriage End Plate - Left.
36	RSR & RBT	94009	Carriage End Stop.
37	RSR & RBT	2141	Screw - 6-32 x 29/64" Hex Head.
38	RSR & RBT	4006	#6 Lockwasher.
39	RSR & RBT	4033	Spacer.
40	"R" Models	2493	Shoulder Screw - 4-48 Threads.
41	"R" Models	94940	Split Clear Control Lever Assembly.
42	"R" Models	3582	Screw Stud - 4-48 Threads.
43	"R" Models	1006	Spring.
44	RSR w/o Full Capacity	90660	Zero Stop Slide (See Note 2, Page 21).
	RSR with Full Capacity	90650	Zero Stop Slide (See Note 1 & 2, Page 21).
	RBT	90662	Zero Stop Slide.

CARRIAGE PARTS - Figure 4

11-15-67	Remove Page 11, No Revision	Insert this page	Revision 1

NOTE 1: Part revised with introduction of RSR & RBT Model Calculators. Revised part is interchangeable with old type, but old type will not work in RSR or RBT machine.

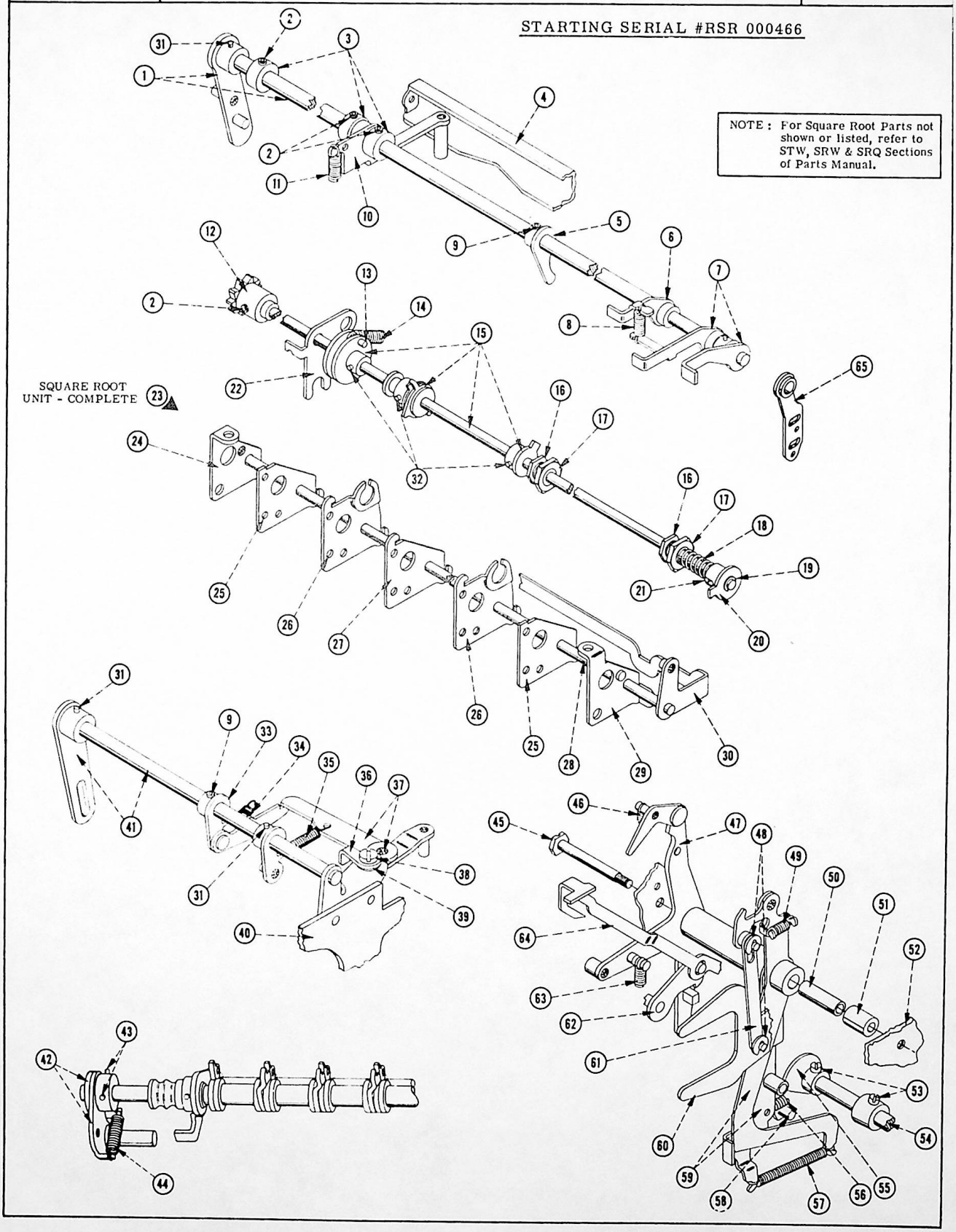
NOTE 2: On August 14, 1967, the Full Capacity Mechanism was removed from Model RSR Calculators, starting with RSR #002343, and is now available from the factory by special request only.

With the removal of the Full Capacity Mechanism, several standard parts and one new part are being used in production RSR machines. For reference these parts are listed below along with their manual locations. For Full Capacity parts used in RSR Models prior to RSR #002343, refer to Special Feature page CT-3 & CT-5, and to SP-47.

Part No.	Quan.	Description	Manual Location	Replaces
1034	1	Spring - Zero Stop Slide	STW-27	1059
1041	1	Spring - Optional Clear Slide	STW-28	1241
2471	1	Screw - Left Spring Transfer Latch	SP-36	2344
50593	1	Add-Subtract Gear-13th Order	STW-19	----
50660	1	Ratchet Gear & Shaft-13th Order	STW-19	----
90660	1	Zero Stop Slide	SP-58A	90650
91020	9	Transfer Lever	CT-3	91220
91810-T	1	Carriage Frames Assembly	SP-56	91725-T
93360	5	Accumulator Dial - Even	"R" Line Pg. 20,Item 29	93375
93365	4	Accumulator Dial - Odd	"R" Line Pg. 20,Item 29	93370
7000015	1	21st Order Accumulator Dial	"R" Line Pg. 20,Item 29	93310

RSR SQUARE ROOT MECHANISM - Figure 5

Revision 1	Remove Page 12, No Revision	Insert this page	11 - 15 - 67


STARTING SERIAL #RSR 000466
NOTE : For Square Root Parts not shown or listed, refer to STW, SRW & SRQ Sections of Parts Manual.
SQUARE ROOT UNIT - COMPLETE 23

RSR SQUARE ROOT MECHANISM - Figure 5

11-15-67	Remove Page 13, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	RSR	48035	Starting Shaft Assembly.
2	RSR	2247	Set Screw - 4-48 x 3/32" Hex Socket.
3	RSR	4643	Collar.
4	RSR	48080	Carraige Front Rail - Complete.
5	RSR	45790	Tab Clear Arm (See Note 1, Page 26).
6	RSR	48095	8th Position Tab Latch.
7	RSR	48085-S	Tab Key Actuator.
8	RSR	1143	Spring.
9	RSR	2181	Set Screw - 4-48 x 1/8" Hex Socket.
10	RSR	48005	8th Position Cam Shaft Block.
11	RSR	1039	Spring.
12	RSR	45982	Ratchet Gear - Feed Engager Cam Shaft.
13	RSR	45569	Grove Pin.
14	RSR	1451	Spring.
15	RSR	45565	Feed Engager Cam Shaft.
16	RSR	45568	Bearing.
17	RSR	3115	Nut.
18	RSR	1150	Spring.
19	RSR	4624	"E" Ring.
20	RSR	45975	#1 Feed Engager Cam.
21	RSR	45579	Pin.
22	RSR	45983	Support Bracket.
23	RSR	48140	Square Root Unit - Complete.
24	RSR	45990	End Plate - Left.
25	RSR	45402	Support Plate (See Note 1, Page 26).
26	RSR	45977	Support Plate.
27	RSR	45403	Support Plate (See Note 1, Page 26).
28	RSR	45993	Holding Pawl Shaft.
29	RSR	48055	End Plate - Right.
30	RSR	48025	Clear Bail.
31	RSR	7073	Taper Pin.
32	RSR	7050	Taper Pin.
33	RSR	45460	Cam Shaft Engaging Link (See Note 1, Page 26).
34	RSR	1078	Spring.
35	RSR	1186	Spring.
36	RSR	45499	Cam Shaft Shift Arm Stop.
37	RSR	48065	Cam Shaft Shift Arm.
38	RSR	2114	Screw - 4-48 x 1/8" Flat Top.
39	RSR	4005	#4 Starwasher.
40	RSR	48010	Left Side Frame - Front Section.
41	RSR	48060	Cam Shift Arm Shaft Assembly.
42	RSR	41560	Counter Rocker Lever (See Note 1, Page 26).
43	RSR	2194	Set Screw - 6-40 x 3/16" Hex Socket.
44	RSR	1072	Spring.
45	RSR	102067	Screw - 4-48 x 1-5/64" Hex Head.
46	RSR	1048	Spring.
47	RSR	48020	Main Feed Arm.
48	RSR - Early Models	4266	Snapwasher - Red (See Note 2, Page 26).
49	RSR	1101	Spring.
50	RSR	45582	Spacer.
51	RSR	4996	Spacer.
52	RSR	45375	Left Side Frame - Rear Section (See Note 1, Page 26).

RSR SQUARE ROOT MECHANISM - Figure 5

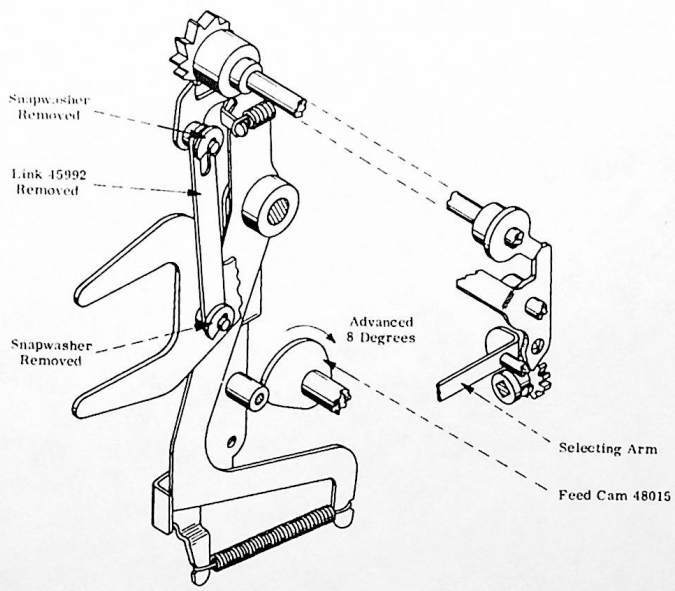
Revision 1	Remove Page 13, No Revision	Insert this page	11-15-67

ITEM	MODEL	PART NUMBER	DESCRIPTION
53	RSR	45979	Screw.
54	RSR	45994	Division Throwout Shaft.
55	RSR	48015	Feed Cam (See Note 2, Page 26).
56	RSR	1015	Spring.
57	RSR	1093	Spring.
58	RSR	105229	Screw Stud - Feed Pawl Stop.
59	RSR	45985	Cam Shaft Feed Pawl & Levers Assembly.
60	RSR	45240	Counter Rocker Cam Follower (See Note 1, Page 26).
61	RSR - Early Models	45992	Cam Shaft Feed Pawl Disabling Link (use of this part has been discontinued - See Note 2, Page 26).
62	RSR	48050	Termination Delay Latch.
63	RSR	1159	Spring.
64	RSR	45989	Termination Link.
65	RSR	23065	Support Bracket - Starting Shaft.

NOTE 1: Part revised with introduction of new Square Root Mechanism. Revised part is interchangeable with old type, but old type will not work with new mechanism.

NOTE 2: On 3-21-67, starting with RSR 001841, the timing of Feed Cam 48015 has been advanced 8° to allow more time for the Selecting Arms to settle down after being released from the #5 position during Square Root operations.

The advanced timing of Cam 48015 also eliminates the need for Feed Pawl Disabling Link 45992, and on 12-8-67, starting with RSR 002914, Link 45992 was removed from production RSR Calculators.



RSC & RSQ CARRIAGE RETURN FEATURE - Figure 6

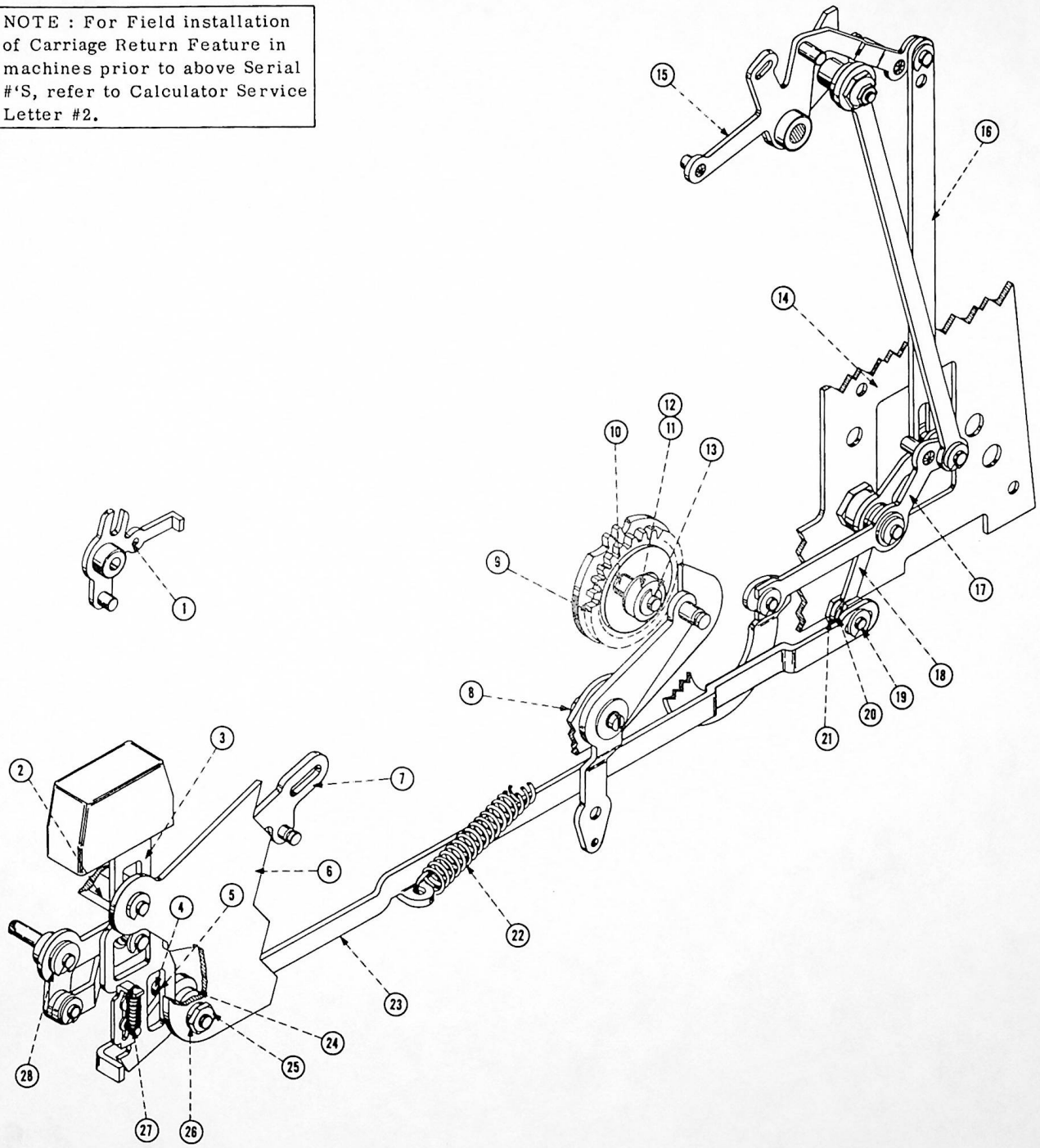
Revision 1	Remove Page 14, No Revision	Insert this page	11 - 15 - 67

STARTING SERIAL #'S

RSC 002365

RSQ 001120

NOTE : For Field installation of Carriage Return Feature in machines prior to above Serial #'S, refer to Calculator Service Letter #2.



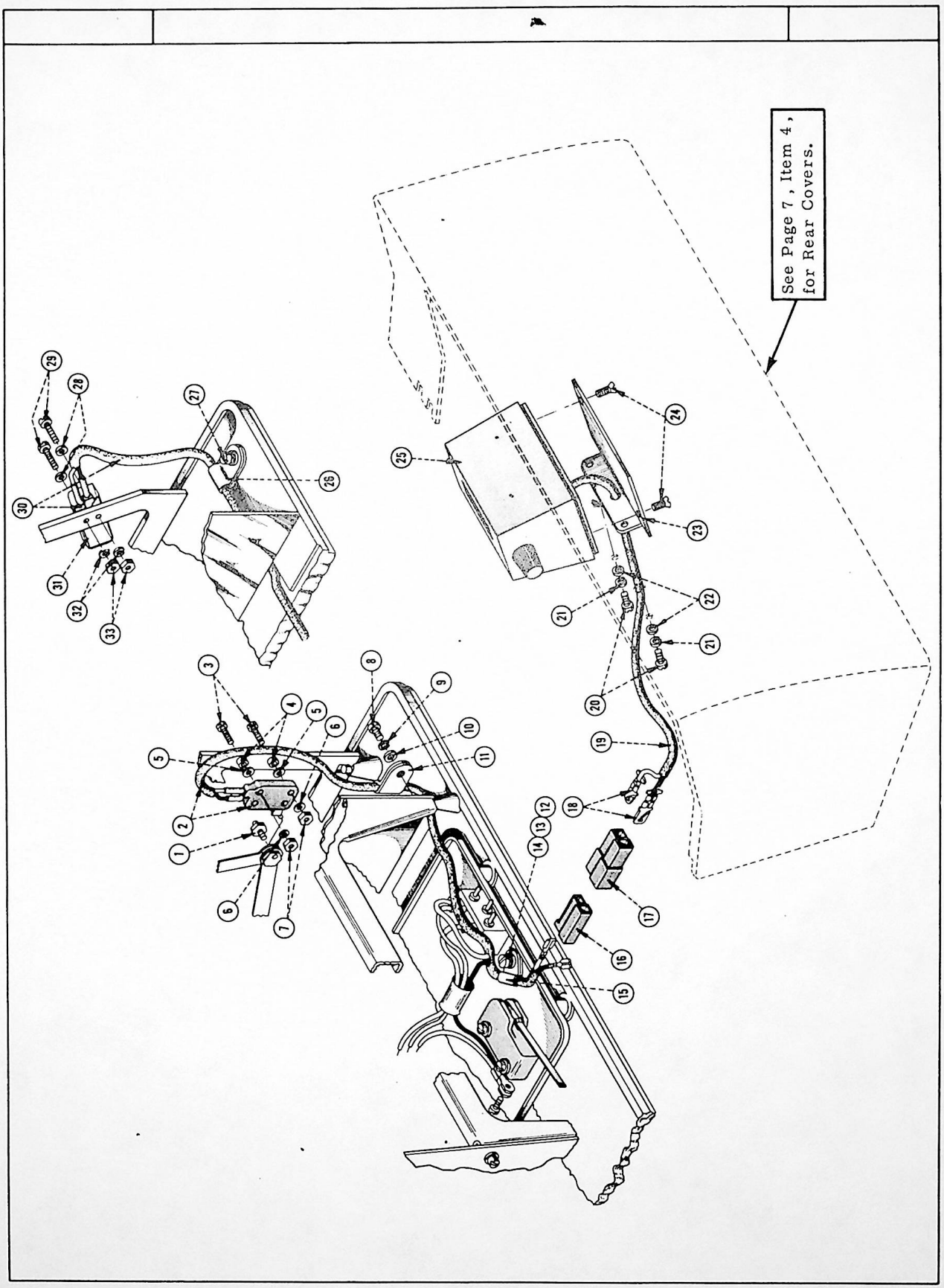
RSC & RSQ CARRIAGE RETURN FEATURE - Figure 6

11-15-67	Remove Page 15, No Revision	Insert this page	Revision 1

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	RSC	80745	Clear Disabling Bellcrank & Shaft Assembly (replaces 80655 Assembly used prior to RSC 002365).
	RSQ	80635	Clear Disabling Bellcrank (replaces 80640 Bellcrank used prior to RSQ 001120).
2	RSC & RSQ	2162	Screw Stud.
3	RSC & RSQ	61425	Carriage Clear Key Stem (replaces 60485 Key Stem & 60488 Auxiliary Key Stem used prior to RSC 002365 & RSQ 001120).
4	RSC & RSQ	2130	Screw - 6-32 x 1/2" Fillister Head.
5	RSC & RSQ	4075	Spacer.
6	RSC & RSQ	60630	Control Plate Stud Assembly (replaces 60300 Control Plate used prior to RSC 002365 & RSQ 001120).
7	RSC & RSQ	71365	Clutch Operating Link (replaces 73590 Link used prior to RSC 002365 and RSQ 001120).
8	RSC & RSQ	2322	Screw Stud.
9	RSC & RSQ	60020	Division Idler Gear Assembly (replaces 60500 Gear Assembly and 60605 Cam used prior to RSC 002365 and RSQ 001120).
10	RSC & RSQ	4604	Roller.
11	RSC & RSQ	4605	Felt Lubricating Washer.
12	RSC & RSQ	4108	Roller.
13	RSC & RSQ	4322	Snapwasher - Yellow.
14	RSC	24675	Right Side Frame - Rear Section.
	RSQ	24705	Right Side Frame - Rear Section (replaces 24685 Frame, used prior to RSQ 001120).
15	RSC & RSQ	25045	Tab Disabling Lever (See Note 1, Page 29).
16	RSC & RSQ	45722	Dividend Tab Restore Link.
17	RSC & RSQ	21490	Key Latch Lever (replaces 21480 Lever used prior to RSC 002365 and RSQ 001120).
18	RSC & RSQ	65005	Key Latch Bellcrank.
19	RSC & RSQ	105302	Eccentric Stud.
20	RSC & RSQ	4004	#4 Lockwasher.
21	RSC & RSQ	3007	Nut - 4-48 x 1/4" Hex.
22	RSC & RSQ	1015	Spring.
23	RSC & RSQ	65057	Key Latch Link (replaces 60504 Link used prior to RSC 002365 and RSQ 001120 - See Note 1, Page 29).
24	RSC & RSQ	4145	Spacer.
25	RSC & RSQ	3014	Nut - 6-32 x 1/4" Hex.
26	RSC & RSQ	4006	#6 Lockwasher.
27	RSC & RSQ	1104	Spring.
28	RSC & RSQ	74575	Clear Key Bellcrank (replaces 74580 Bellcrank used prior to RSC 002365 and RSQ 001120).

NOTE 1: Part revised with introduction of Carriage Return Feature. Revised part is interchangeable with old type, but old type will not work with new mechanism.

MULT ITEM COUNTERS - Figure 7



MULT ITEM COUNTERS - Figure 7

ITEM	MODEL	PART NUMBER	DESCRIPTION
1	RSC & RSQ	2098	Screw Stud.
2	RSC & RSQ	14160	Acro Switch and Lead Wire Assembly.
3	RSC & RSQ	2327	Screw - 2-56 x 3/4" Round Head.
4	RSC & RSQ	4029	Spacer.
5	RSC & RSQ	4744	Washer.
6	RSC & RSQ	4002	#2 Lockwasher.
7	RSC & RSQ	3001	Nut - 2-56 x 3/16" Hex.
8	RSC & RSQ	2071	Screw - 6-40 x 3/8" Fillister Head.
9	RSC & RSQ	4006	#6 Lockwasher.
10	RSC & RSQ	4013	Washer.
11	RSC & RSQ	222162	Cable Clamp.
12	RSC & RSQ	2071	Screw - 6-40 x 3/8" Fillister Head.
	RSR & RBT	2090	Screw - 6-40 x 3/16" Fillister Head.
13	"R" Models	4006	#6 Lockwasher.
14	"R" Models	4013	Washer.
15	"R" Models	222162	Cable Clamp.
16	"R" Models	14177	Terminal Housing - Male.
17	"R" Models	14176	Terminal Housing - Female.
18	"R" Models	14179	Terminal - Male.
19	"R" Models	14166	Insulation Tubing.
20	"R" Models	2637	Screw - 6-40 x 9/32" Flat Top.
21	"R" Models	4409	#6 Starwasher - Internal.
22	"R" Models	4033	Washer.
23	"R" Models	14186	Support Bracket - Counter.
24	"R" Models	2276	Screw - 6-32 x 1/2" Flat Head.
25	"R" Models	14159	Redington Counter.
26	RSR & RBT	222162	Cable Clamp.
27	RSR & RBT	2059	Screw - 6-32 x 9/32" Flat Top.
28	RSR & RBT	4188	Washer.
29	RSR & RBT	2011	Screw - 2-56 x 1/2" Fillister Head.
30	RSR & RBT	14185	Acro Switch and Lead Wire Assembly.
31	RSR & RBT	21423	Insulator - Acro Switch.
32	RSR & RBT	4002	#2 Lockwasher.
33	RSR & RBT	3001	Nut - 2-56 x 3/16" Hex.